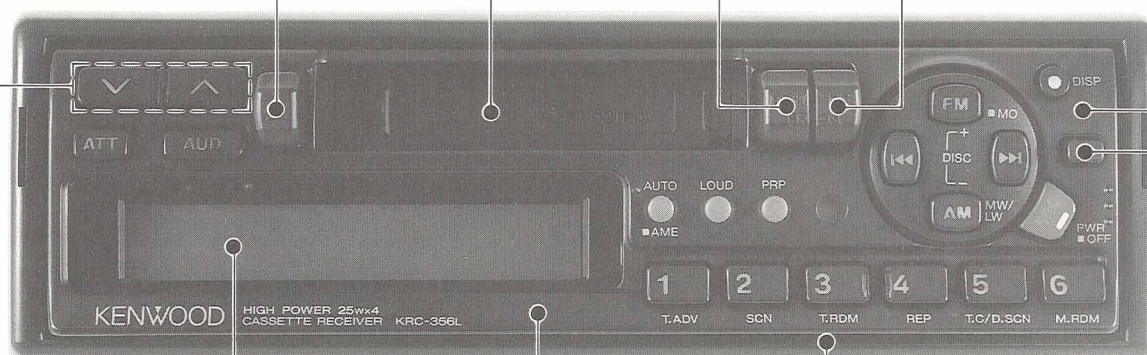
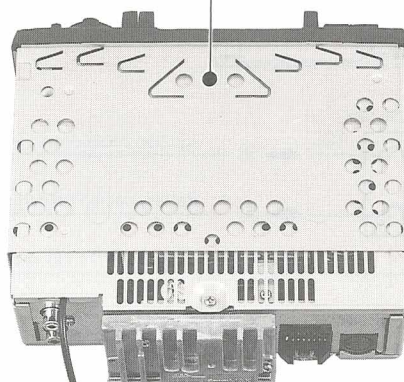
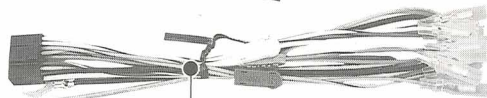


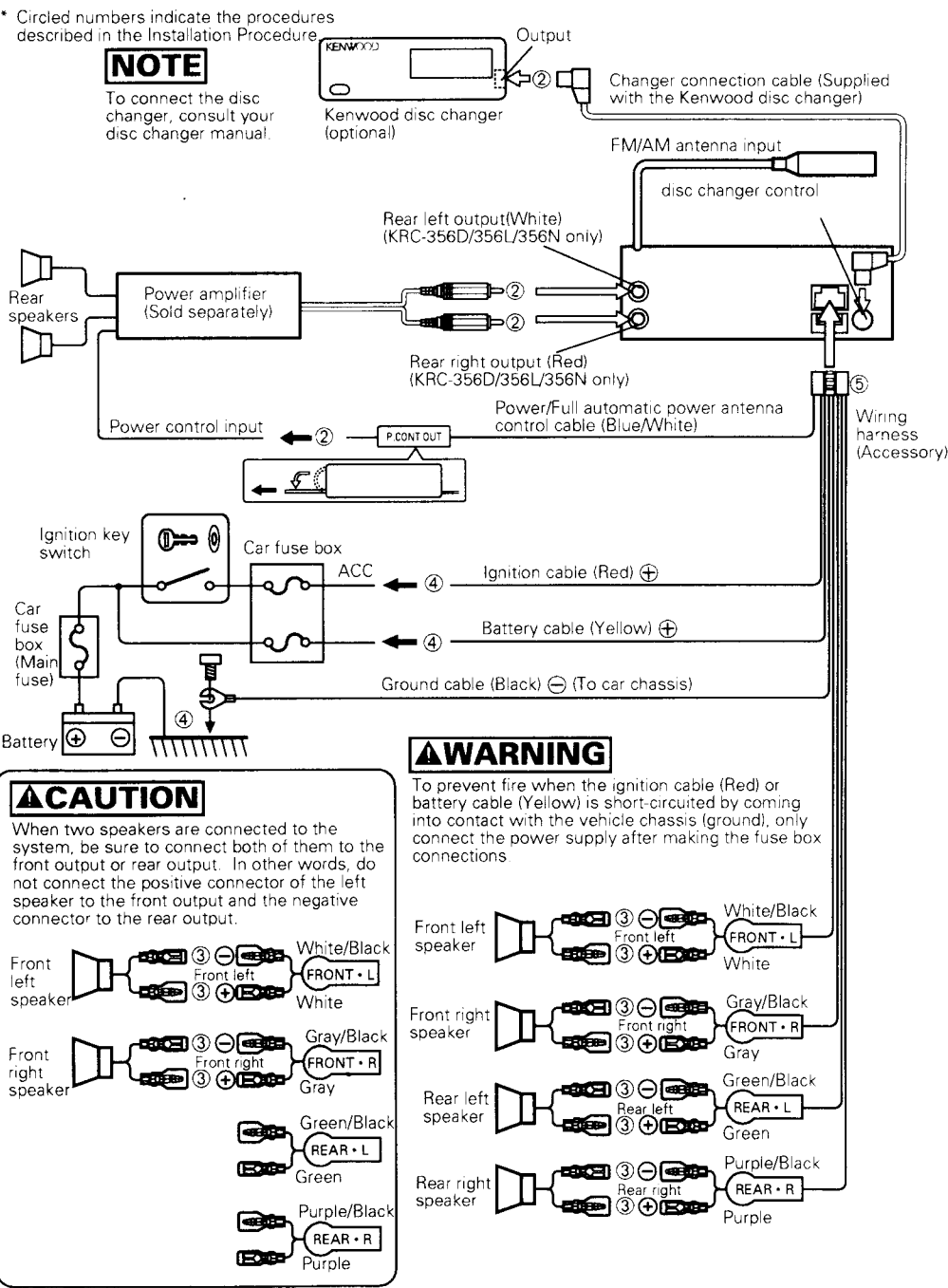
Photo is KRC-356LKnob (VOL.)
(K25-0661-03)Knob (EJECT)
(K24-1562-04)Cassette lid
(A53-1600-03)Knob (REW)
(K24-1564-04)Knob (FF)
(K24-1563-04)Knob (RESET)
(K24-1560-04)Front glass
(B10-1593-03)Panel ass'y
(A64-0380-02) : KRC-356D
(A64-0381-02) : KRC-356L
(A64-0382-02) : KRC-356NEscutcheon
(B07-2057-02)Knob (RELEASE)
(K24-1561-04)Screw (SEMS)
(N09-1885-05)Mounting hardware ass'y
(J21-7564-13)Lever
(D10-2984-04)DC cord
(E30-4227-05)Plastic cabinet ass'y
(A02-1443-03)

KRC-356D/L/N

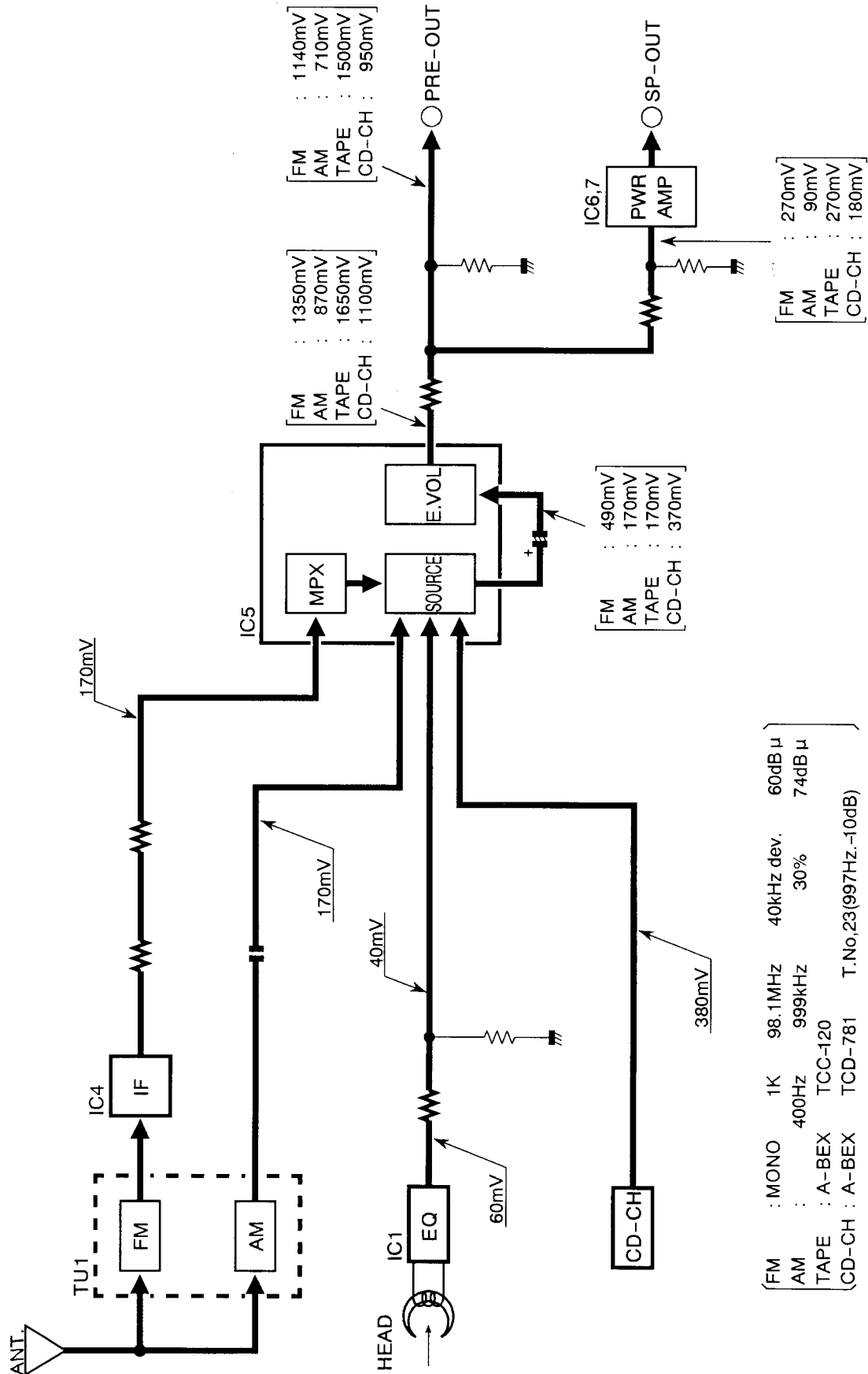
CONTENTS / CONNECTIONS

CONTENTS	
CONNECTIONS	2
BLOCK DIAGRAM	3
CIRCUIT DESCRIPTION	4
DISASSEMBLY FOR REPAIR (MECHANISM)	10
MECHANISM OPERATION DESCRIPTION	11
ADJUSTMENT	20
PC BOARD (COMPONENT SIDE VIEW)	23
PC BOARD (FOIL SIDE VIEW)	25
SCHEMATIC DIAGRAM	27
EXPLODED VIEW (MECHANISM)	35
EXPLODED VIEW (UNIT)	36
PARTS LIST	38
SPECIFICATIONS	BACK COVER

CONNECTIONS



BLOCK DIAGRAM



KRC-356D/L/N

CIRCUIT DESCRIPTION

Description of components

SYNTHESIZER UNIT (X14-523X-XX) 2-70 : KRC-356D 2-71 : KRC-356L 2-72 : KRC-356N

Component	Component Name	Application/Functions	Operation/Condition/Compatibility
IC1	BA328F	TAPE EQ AMP	
IC4	LA1143B	FM IF AMP	FM IF signal amplification.
IC5	TDA7340P	E.VOL / NC MPX	FM NC MPX source selector ISO AMP.
IC6, 7	AN7190K	Power AMP	IC6[Rear], IC7[Front]
IC8	BA3906-V4	SYS-AVR IC	
IC9	LC72329-89XX	Microcomputer	LCD Driver various control. 22:256L/N, 24:256D
IC10	NJM4565M	SDK Buff	SDK IC input buffer. BPF of BK.
IC11	TDA1579T	SDK IC	Detection of SK and DK from the composite signal.
Q3, 4	DTC143TK	EQ-MUTE SW	
Q5	DTC144EK	FM LOCAL SW	
Q6	2SC2413K	FM IF AMP	
Q7	DTC144EK	AFC SW	OFF during seek. ON during reception.
Q8	DTC144EK	Band MUTE SW	
Q9	2SC2412K	FM S meter Buff	
Q10	2SA1037K	CRSC SW	
Q12	2SC2412K	CRSC CONTROL Buff	
Q13	DTA144EK	BS SW	LW/MW SW
Q14	2SC2412K	ACC Detection SW	
Q15	2SC2412K	Surge detection SW	
Q16	2SC2412K	B.U Detection SW	
Q17	2SB1277	P.CON output	
Q18	2SA1037K		
Q19	DTA124EK	P.CON SW	
Q20	2SC2412K		
Q21	DTA144EK	B.U Detection SW	
Q22	DTA144EK	PANEL Detection SW	
Q24	DTA144EK	B.U Detection SW	
Q25	DTA144EK		
Q26	DTC144EK	AVR IC STBY SW	
Q27	2SB1184	Illumination AVR	
Q28	2SC2412K		
Q29	DTA124EK	Illumination AVR SW	
Q30	DTC144EK		
Q37	2SB1443	MOTOR +B SW	
Q38	DTC114EK		
Q39	2SA1036K	PANEL +5V SW	
Q41	2SA1037K	MUTE Driver	
Q42	DTC144EK	MUTE SW based on momentary power failure surge detection	
Q43	2SC2412K	DSI LED driver	
Q44	2SK536	PLL LPF	
Q46	DTA144EK	Power ON SW	
Q50	DTC144EK	SK SW	Switches SK ON/OFF according to band muting.
Q53-56	DTC143TK	MUTE SW	
Q57	DTA144EK		
Q58	DTC144EK	AM LOCAL SW	

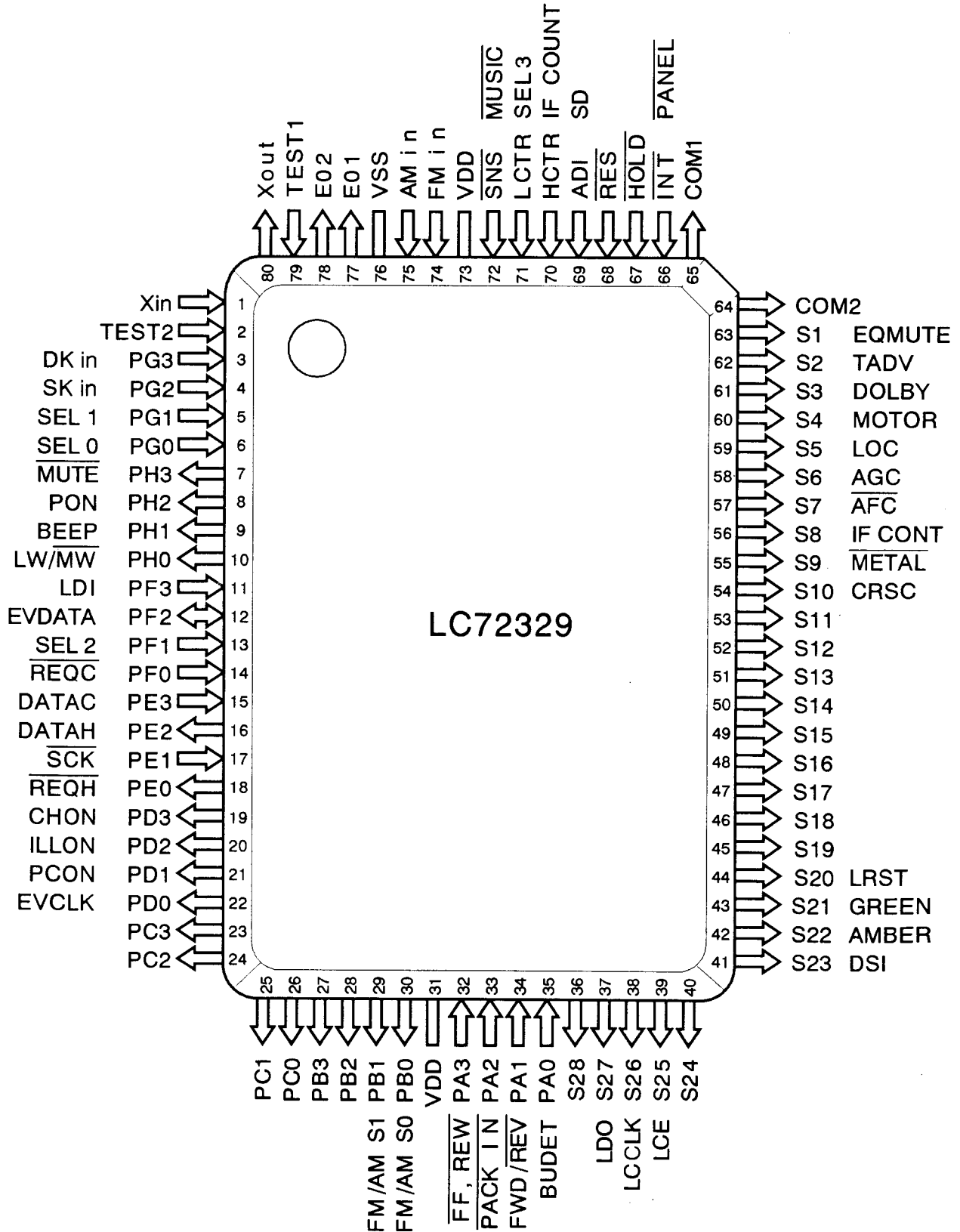
SWITCH UNIT (X25-727X-XX)

IC1	LC75852E	LCD Driver with key input	
Q1	DTC144EK		
Q2	DTA144EK	LCD Driver ON SW	

KRC-356D/L/N

CIRCUIT DESCRIPTION

Microprocessor IC9 : LC72329-XXXX (X14-524X-XX) 8924 : KRC-356D 8922 : KRC-356L/N
Terminal connection




KRC-356D/L/N

CIRCUIT DESCRIPTION

Terminal description

Pin.No	Name	I/O	Function	Description	During HOLD												
3	PG3	I	DK in	DK signal input terminal.	-												
4	PG2	I	SK in	SK signal input terminal.	-												
5, 6	PG1, 0	I	SEL 1, 0	Destination select terminal.	-												
7	PH3	O	MUTE	Audio muting control output. ON="L".	L(15s, then H)												
8	PH2	O	PON	Peripheral circuit power control terminal.	1s, then L												
9	PH1	O	BEEP	BEEP output.	L												
10	PH0	O	LW/MW	AM Band LW/MW select.	L												
11	PF3	I	LDI	LCD driver data input.	-												
12	PF2	I/O	EVDATA	Electronic volume DATA input-output.	L												
13	PF1	I	SEL 2	Destination select terminal.	-												
14	PF0	I	REQC	Communication request from the CD-Changer.	-												
15	PE3	I	DATA C	Serial data input, Data input from the CD-Changer.	-												
16	PE2	O	DATA H	Serial data output, Data output to the CD-Changer.	L												
17	PE1	I	SCK	Serial data input, Clock input from the CD-Changer.	L												
18	PE0	O	REQH	Request HU, Communication request to the CD-Changer.	L												
19	PD3	O	CHON	Output when the CD-Changer is ON. ON="H". Also used as the audio swtching output.	L												
20	PD2	O	ILLON	Illumination power control terminal.	L												
21	PD1	O	PCON	Power control output.	L												
22	PD0	O	EVCLK	Electronic volume CLK output.	L												
23-26	PC3-0	O	(NC)	Not used. (L output)	L												
27,28	PB3, 2	O	(NC)	Not used. (L output)	L												
29,30	PB1, 0	O	FM/AM S1, S0	<table><tr><td></td><td>AM mode</td><td>FM mode</td><td>TAPE or CD-CH mode</td></tr><tr><td>S1</td><td>H</td><td>L</td><td>H</td></tr><tr><td>S0</td><td>H</td><td>L</td><td>L</td></tr></table>		AM mode	FM mode	TAPE or CD-CH mode	S1	H	L	H	S0	H	L	L	L
	AM mode	FM mode	TAPE or CD-CH mode														
S1	H	L	H														
S0	H	L	L														
31	Vdd	-	Vdd	5V.													
32	PA3	I	FF, REW	Tape fast winding detection input. "L"=During FF/REW.	-												
33	PA2	I	PACK in	Tape detection input. "L"=Tape mode.	-												
34	PA1	I	FWD/REV	Tape transport direction input. "H"=FWD, "L"=REV.	-												
35	PA0	I	BUDET	Buck-Up detection. (Voltage failure detection)	-												
36	S28	O	(NC)	Not used. (L output)	L												
37	S27	O	LDO	LCD driver data output terminal.	L												
38	S26	O	LCCLK	LCD driver CLK output terminal.	L												
39	S25	O	LCE	LCD driver CE output terminal.	L												
40	S24	O	(NC)	Not used. (L output)	L												
41	S23	O	DSI	DSI ON/OFF output.	Blinking												
42	S22	O	AMBER	AMBER illumination output.	L												
43	S21	O	GREEN	GREEN illumination output.	L												
44	S20	O	LRST	LCD driver reset output.	L												
45-53	S19-11	O	(NC)	Not used. (L output)	L												
54	S10	O	CRSC	CRSC ON/OFF output. ON="H".	L												
55	S9	O	METAL	METAL output. METAL="L".	L												
56	S8	O	IF CONT	IF COUNTER control.	L												
57	S7	O	AFC	AFC control output. ON="L".	L												
58	S6	O	AGC	AGC cut control output. ON="H".	L												
59	S5	O	LOC	Local output. AM/FM logic inversion.	L												
60	S4	O	MOTOR	Tape motor control.	L												
61	S3	O	DOLBY	DOLBY output.	L												
62	S2	O	TADV	T-ADV plunger output. "H"=ON.	L												
63	S1	O	EQ-MUTE	Tape Equalizer Mute control output. ON="H".	L												

CIRCUIT DESCRIPTION

Pin.No	Name	I/O	Function	Description	During HOLD
64,65	COM 2,1	O	COM 2, 1	LCD Common output.	L
66	INT	I	PANEL	Panel detection switch. Detected="L".	-
67	HOLD	I	HOLD	Power input.	Return at 
68	RES	I	RESET	(Connected to Vdd)	
69	ADI	I	SD in	FM/AM station signal detection input. (Vth=0.75V) "H"=Station detected.	-
70	HCTR	I	IF COUNT	AM Band IF Counter.	
71	LCTR	I	SEL 3	Destination select terminal.	
72	SNS	I	MUSIC	Music detection in tape mode.	-
73	Vdd	-	Vdd	5V.	
74,75	FM,AM in	I	FM, AM in	VCO input .	
76	Vss	-	Vss	(Connected to GND)	
77,78	E01,2	O	E01, 2	Phase Detector Error output.	
79,2	TEST 1,2	I	-	(Connected to GND)	
80,1	X out, in	I/O	X out, in	4.5MHz X'tal.	

Key matrix

	KI1 (52)	KI2 (53)	KI3 (54)	KI4 (55)	KI5 (56)
KS6 (51)	-	-	-	-	SOURCE ⇩POWER
KS5 (50)	-	-	-	-	PANEL DETECTION
KS4 (49)	AM	FM ⇩MONO	UP	DOWN	CLOCK
KS3 (48)	AUDIO ⇩VOL RETURN	-	VOLUME ^	VOLUME v	ATT ⇩LOUD
KS2 (47)	RADIO : 6	DxAUTO → LOCAL AUTO → MANUAL / SK-SEEK ⇩AUTO MEMORY	LOUDNESS	-	SDK (D type)
					PRP (Except D type)
KS1 (46)	RADIO : 1 TA : T-ADV	RADIO : 2	RADIO : 3 TA : METAL	RADIO : 5 TA : T-CALL	RADIO : 4

KRC-356D/L/N

CIRCUIT DESCRIPTION

Audio signal processor IC5 : TDA7340P (X14-1523-10)

Audio processor

- Mute, soft mute and zero crossing mute.
- One differential, two stereo and two mono inputs.
- Differential phone input
- Volume, bass, treble and loudness control.
- Four speaker attenuators with independent attenuation control.

Stereo decoder

- Adjustment free integrated 456kHz VCO.
- High cut control.
- Stereo blend.

Noise blanker

- Integrated high-pass filter.
- Noise rectifier output for quality detection.
- Programmable trigger threshold.

Pause detector

- Programmable threshold.

Description

The TDA7340 I²C bus controlled audio signal processor contains all signal processing blocks of a high performance car radio, including audio processor, stereo decoder, noise blanker, pause detector and different mute functions.

The use of BICMOS technology allows the implementation of several filter functions with switched capacitor techniques like fully integrated, adjustment free PLL loop filter, pilot detector with integrator and two 19kHz notch filters.

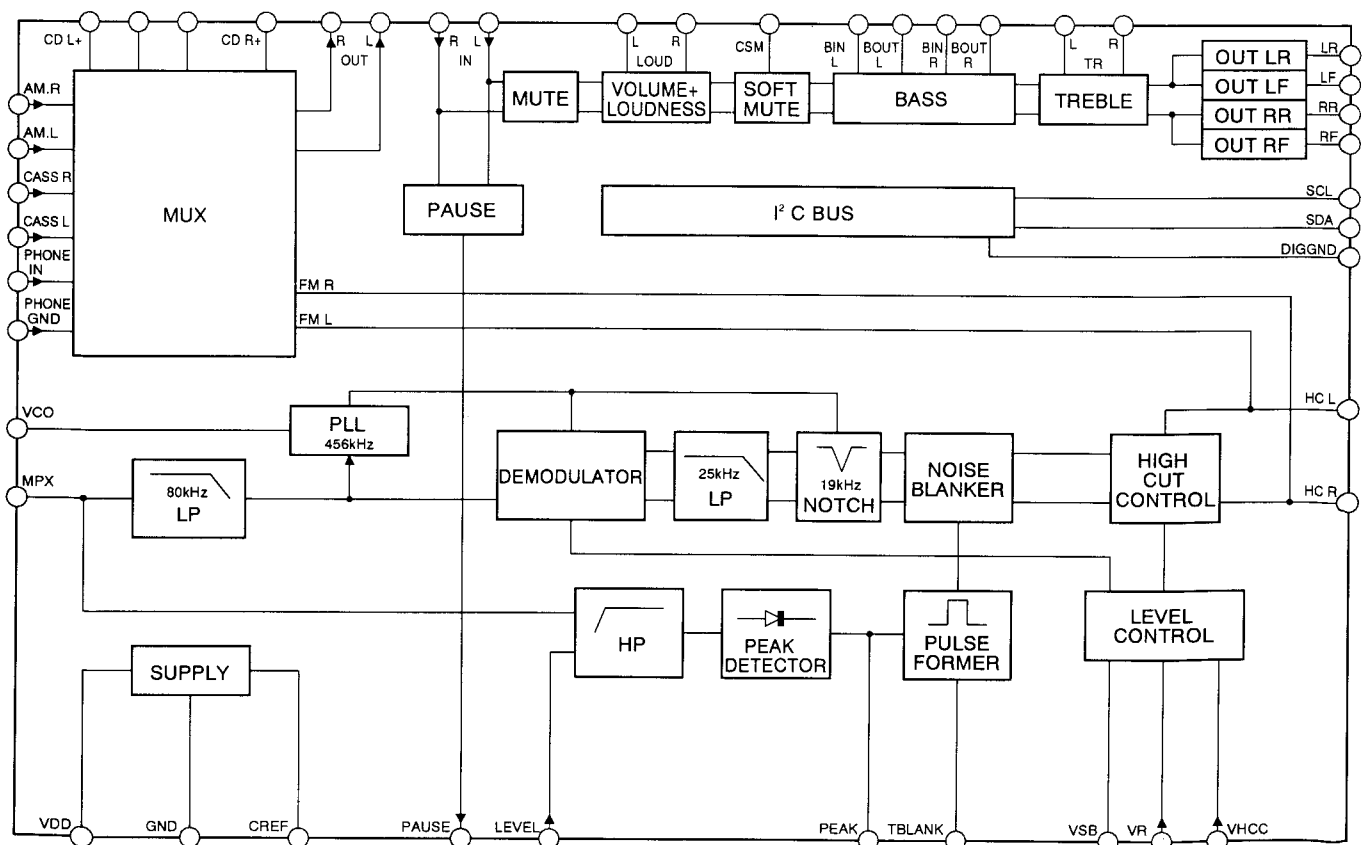
This minimizes the number of external components.

Due to a highly linear signal processing, using CMOS-switching techniques instead of standard bipolar multipliers, very low distortion and very low noise are obtained also in the stereo decoder part. The audio processor contains several new features like soft mute, zero-crossing mute and pause detector.

Very low Dc stepping is obtained by use of a BICMOS technology.

All functions programmable via I²C bus.

Block diagram



CIRCUIT DESCRIPTION

Audio processor part

Features :

Input multiplexer

- Differential CD stereo input.
- Cassette stereo input.
- FM Stereo input from stereo decoder.
- AM input
Mono or stereo mode (Programmable)
- Beep input (Only in AM mono mode)
- Telephone differential mono input
- Gain programmable in 3 x 3.75dB steps.

Loudness

- Fully programmable.
- 15 x 1.25dB steps.

Volume control

- 1.25dB coarse attenuator.
- 0.31dB fine attenuators.
- Max gain 20dB.
- Max attenuation 59.69dB (Plus loudness).

Bass control

- $\pm 7 \times 2$ dB steps.
- 2nd order symmetrical or non symmetrical frequency response (Programmable).

Treble control

- $\pm 7 \times 2$ dB steps.

Speaker control

- 4 independent speaker control in 1.25dB steps
- Control range 37.5dB.
- Independent speaker mute.

Mute functions

- Direct mute.
- Zero crossing mute with programmable threshold.
- Soft mute with external defined slope.

Pause detector

- Programmable threshold.
- Delay time defined by an external capacitor.

Stereo decoder part

Features :

- Integrated 19kHz notch filter for pilot cancellation.
- On chip filter for pilot detector and PLL.
- Adjustment free voltage control LED oscillator.
- Automatic pilot dependent mono/stereo switching.
- Very high inter modulation and inter reference suppression.
- I²C bus controlled (STD off, forced mono, stereo).
- High cut control.
- Stereo blend.

Noise blanker part

Features :

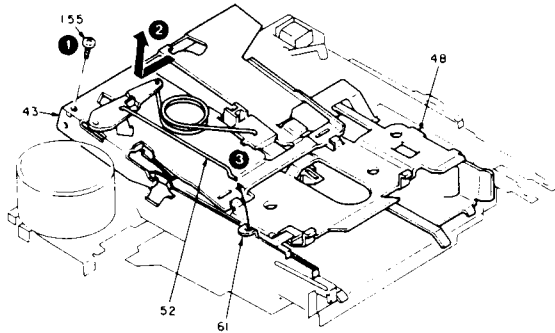
- Internal 2nd order high-pass filter.
- Noise rectifier output for signal quality detection.
- Programmable trigger threshold.
- Trigger threshold dependent on high frequency noise.
- Blanking time programmable by external capacitor.
- Very low offset current during hold time due to OPAMPS with MOS inputs.
- Level input for additional spike detection on field strength.

KRC-356D/L/N

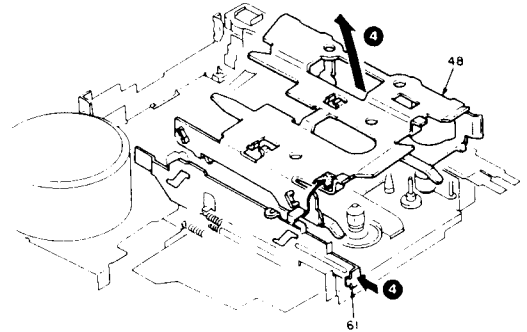
DISASSEMBLY FOR REPAIR (MECHANISM)

REMOVAL

1. Remove screw (155) (**1**).
2. Rotate the lifter (43) to the left and lift it up to remove (**2**).
3. Remove the rod (52) from the eject lever (61) (**3**).

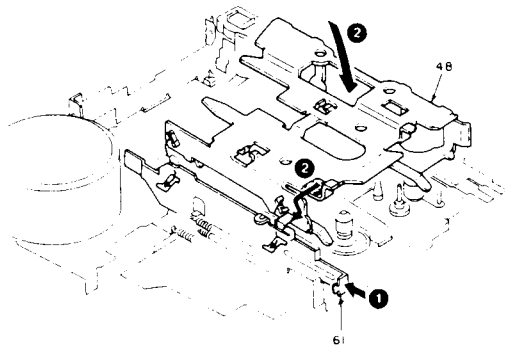


4. While pressing in on the eject lever (61), remove the holder (48) (**4**).

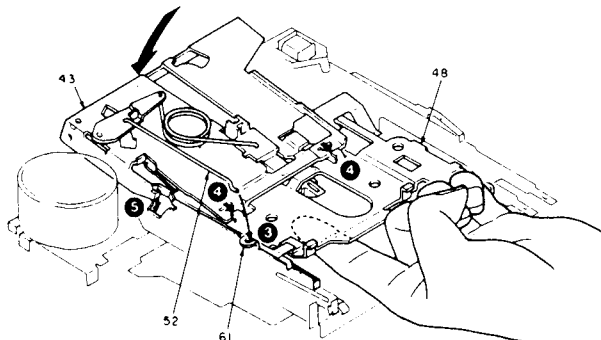


SET UP

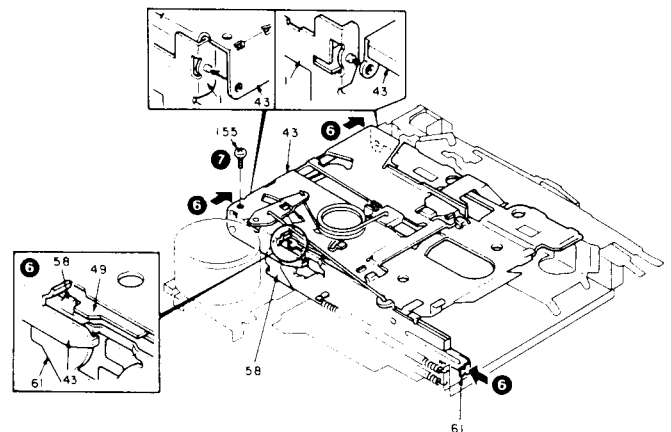
1. While pressing in on the eject lever (61), attach the holder (48) (**1**).
2. Insert the holder's (48) projecting tab into the push plate's groove (**2**).



3. Insert the rod (52) into the hole in the eject lever (61) (**3**).
4. While lifting up the holder (48), engage the lifter (43) (**4**).
5. Move the lifter (43) down so that it aligns with the eject lever's (61) cut out (**5**) section.

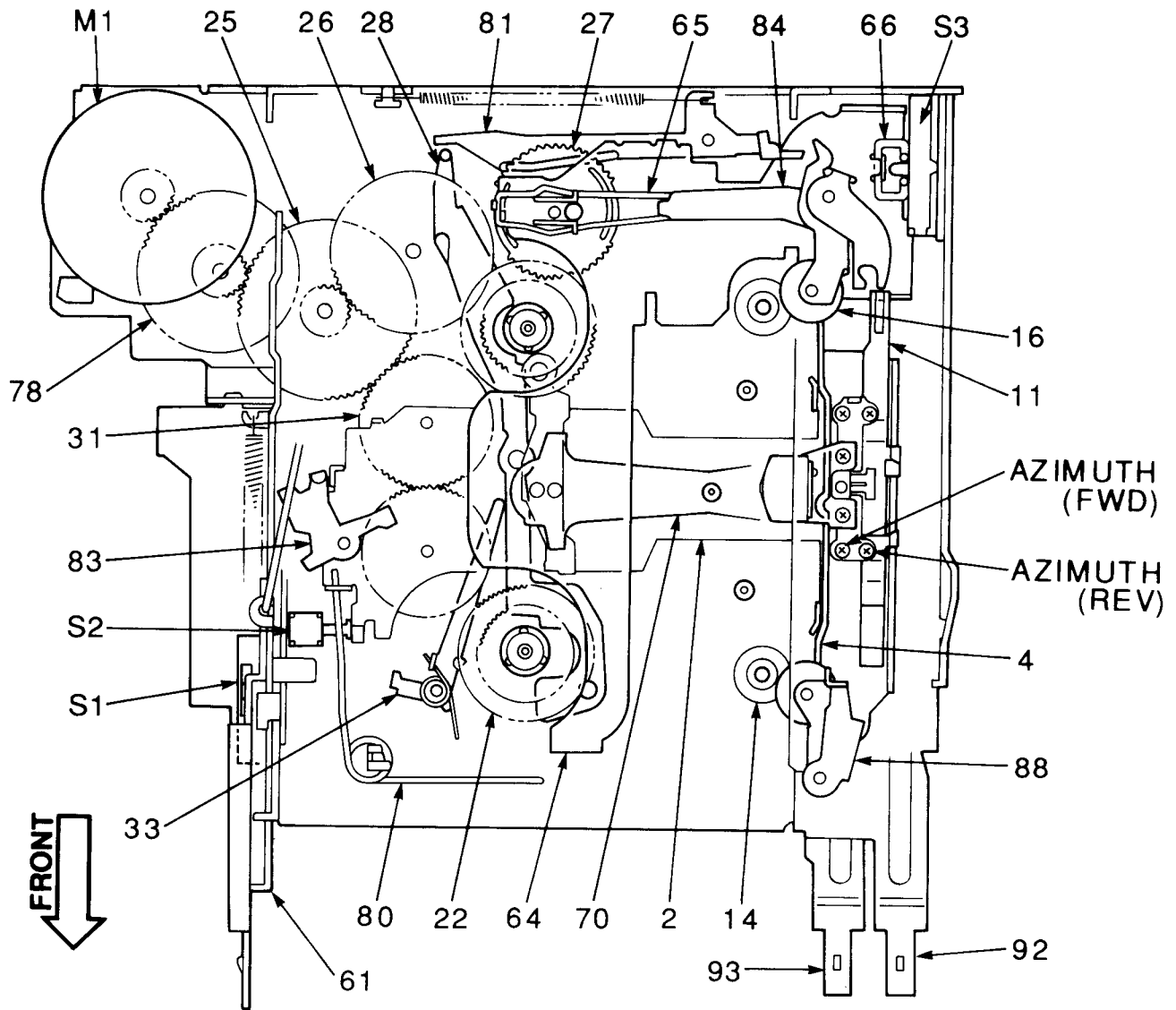


6. Align the lifter (43) with the chassis (1) projections and move it to the right to engage (see diagram) (**6**).
7. Secure the assembly by attaching the screw (**7**).



KRC-356D/L/N

MECHANISM OPERATION DESCRIPTION



KRC-356D/L/N

MECHANISM OPERATION DESCRIPTION

LOADING

1. Insert a cassette tape (❶).

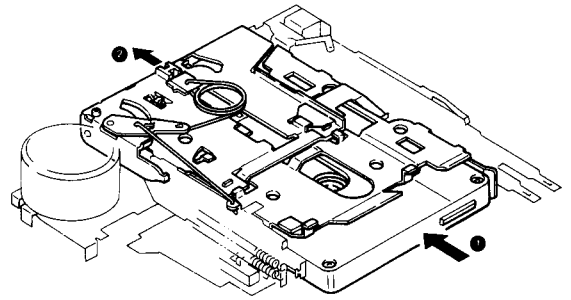


Fig. 1

2. The pack slider (50) presses the lever (49) (❷).
3. The lever (49) rotates and the push plate (58) lock releases. The push plate is pulled by spring (59) and moves forward (❸).

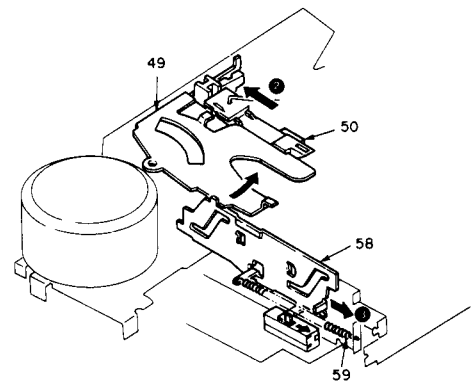


Fig. 2

4. The holder (48) lowers following the groove in the push plate (58) (❹).
5. The slide switch (S1) is pressed by the push plate (58) and turns ON. When S1 turns ON, current is supplied to the motor (M1) (❺).

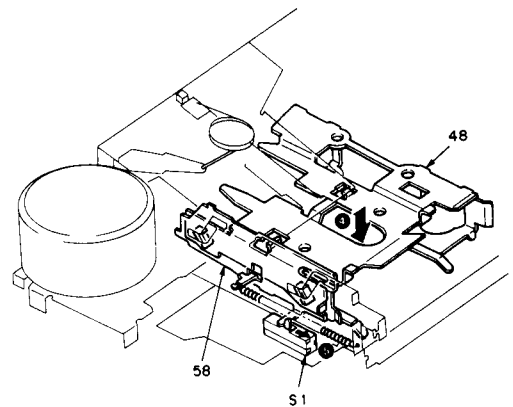


Fig. 3

MECHANISM OPERATION DESCRIPTION

6. The push arm (83) is pressed by the push plate (58) and rotates. The push arm (83) releases the head plate (2) lock (6).
7. The head plate (2) is pulled forward by the spring (80) (7).

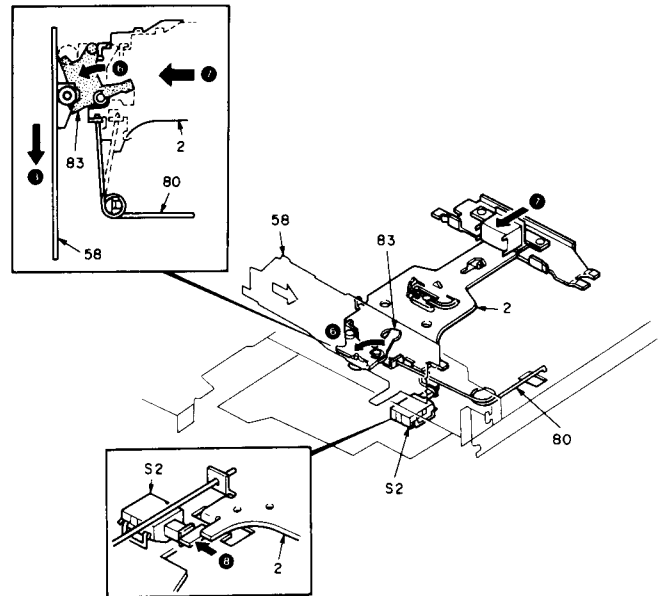


Fig. 4

8. The forward movement of the head plate (2) causes the push switch (S2) to turn ON (8).
9. Through the forward movement of the head plate (2), the PR spring (4) causes the pinch roller assembly (16, 17) to press against the capstan assembly (74) (9).

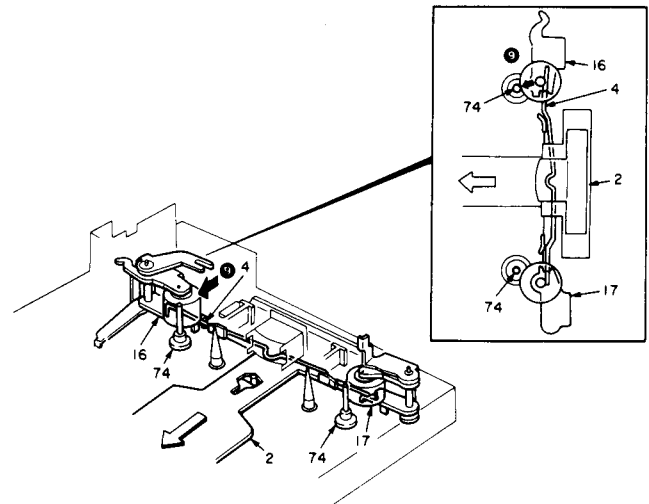


Fig. 5

10. The rotation of the motor is transmitted through various gears (78 → 25 → 31 → 6 →) to drive the winding side reel disk assembly (22) (10).
11. The sending side reel disk assembly (22) is not driven by the motor rotation because it is separated from the play gear (6) (11).

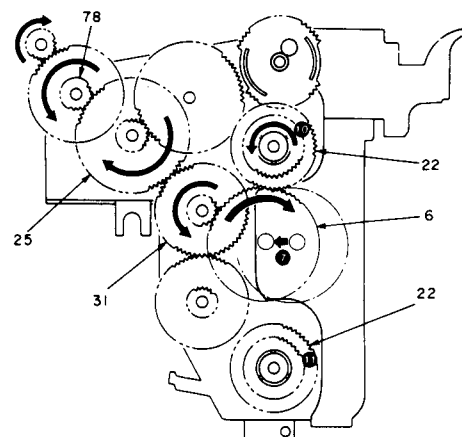


Fig. 6

KRC-356D/L/N

MECHANISM OPERATION DESCRIPTION

PROGRAM (Manual Program Change)

1. When pressing FF/REW (92 and 93) levers at the same time (**1**), the levers are placed into a slot on the PC (Play Change) plate (94) in direction of arrow (**2**) in Fig.7.
2. The PC plate (94) moves in the direction of arrow (**3**), trigger arm (81) is kicked in the direction of arrows (**4**) and (**5**), thereby releasing the turn-over gear (27).
3. The turn-over gear (27) is rotated in the direction of arrow (**6**) by ED (End Detector) gear (26), which moves main plate (64).
4. The main plate (64) slides in direction of arrow (**7**) in Fig.8 causing the following part movements;
 - a) Head switch (10) movement is changed per arrow (**8**).
 - b) Force transferred from pinch roller-spring (4) changes the relation of pinch roller and capstan to each other, per arrow (**9**).
 - c) Seesaw plate (20) is moved by the main plate and seesaw plate spring (65), and moves see-saw working plate (84). All FF/REW operation is performed by this seesaw plate movement. See arrow (**10**).
 - d) The shift plate (11) is moved in direction of arrow (**11**), and head moves up and down per arrows (**12** , **13** and **14**) in Fig.9.

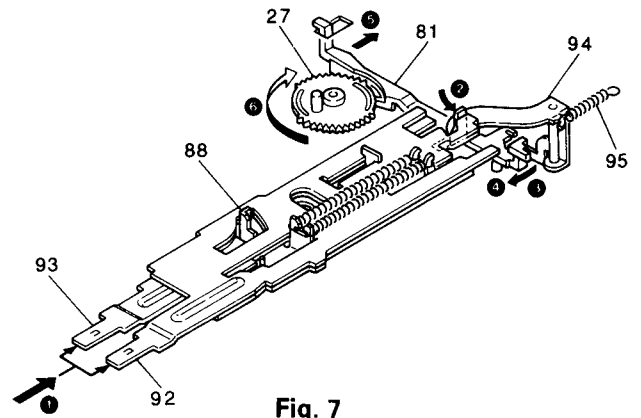


Fig. 7

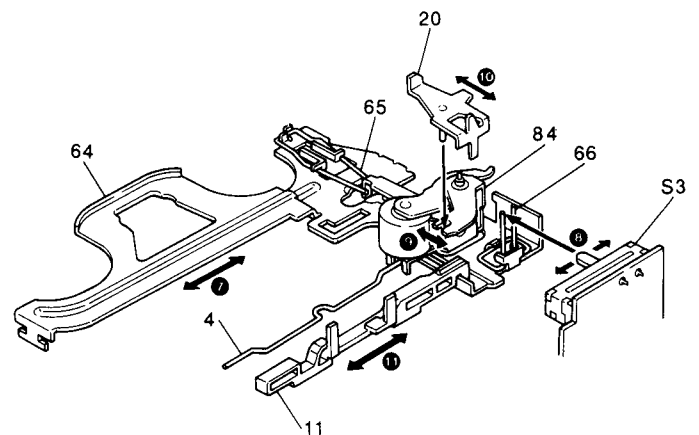


Fig. 8

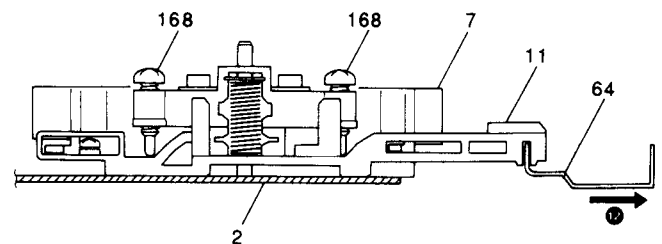


Fig. 9

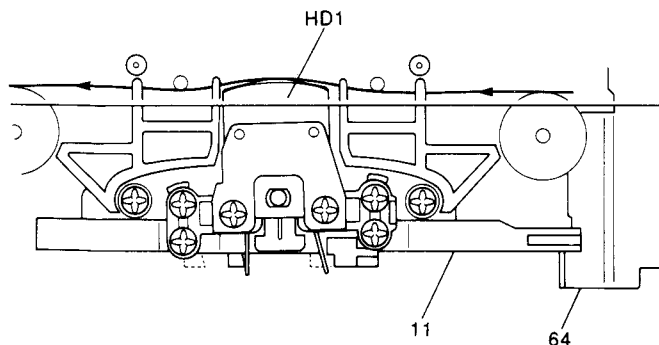


Fig. 10

MECHANISM OPERATION DESCRIPTION

e) The play gear metal (5) is engaged, per arrows (15) and (16) in Fig.11. Then play gear (6) is connected to take-up reel assembly (22) on forward side in FWD play, and connected to the other take-up reel assembly in REV play. Rotation from the play clutch (31) is transferred to take-up reel assembly per arrows (17) and (18) in Fig.11. As mentioned above, the direction in play mode can be changed. During play mode active, the head panel is moved backward by head panel return arm (88) in direction of arrow (19) in Fig.11. The Mute switch (S2) is turned on per arrow (20), and play mode is not reversed while FF/REW levers are pushed by operation of anti-reverse arm (33). See Fig.12.

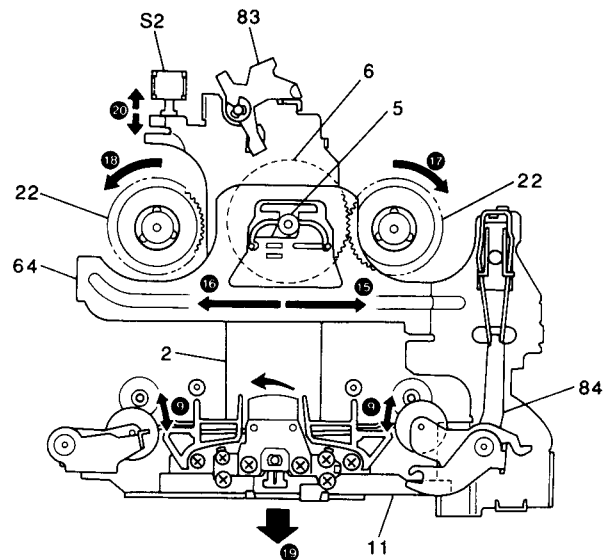


Fig. 11

KRC-356D/L/N

MECHANISM OPERATION DESCRIPTION

FF

1. Press the FF lever (92) (**1**).
2. The return arm (88) is pushed by the FF lever (92) and rotates (**2**).
3. The head plate (2) is pulled by the return arm (88) and moves back (**3**).
4. The seesaw plate (20) is pushed by the FF lever (92) and rotates (**4**).

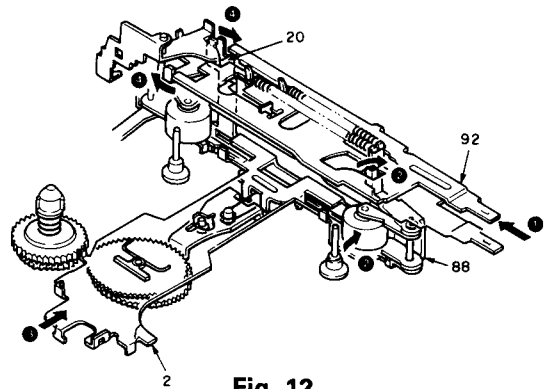


Fig. 12

5. The FR slide plate (86) is pulled by the seesaw plate (20) and moves forward (**5**).
6. The working plate (70) is pulled by the FR slide plate (86), and the FR gear (71) engages with the clutch assembly (31) and winding side reel disk assembly (22) (**6**).
7. The FF lever (92) is locked by the lock plate (96) (**7**).

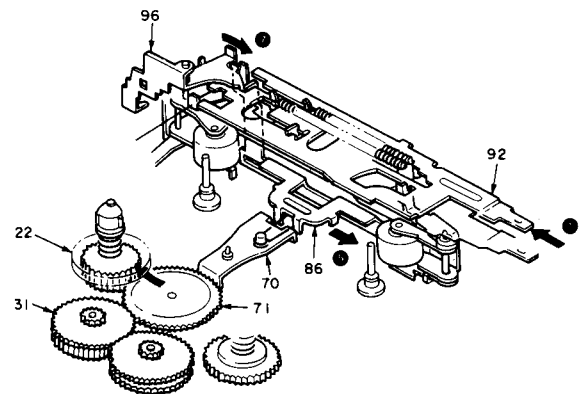


Fig. 13

8. If the REW lever (93) is pressed, the lock plate (96) rotates, the FF lever (92) lock is released and the deck enters play mode (**8**).

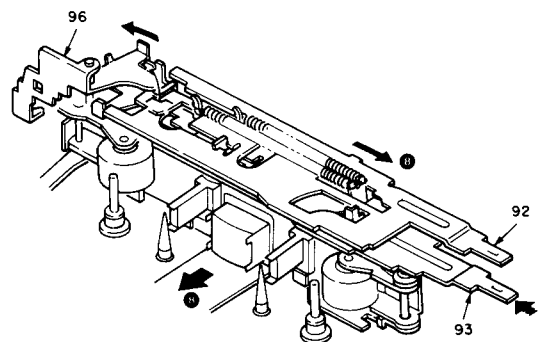


Fig. 14

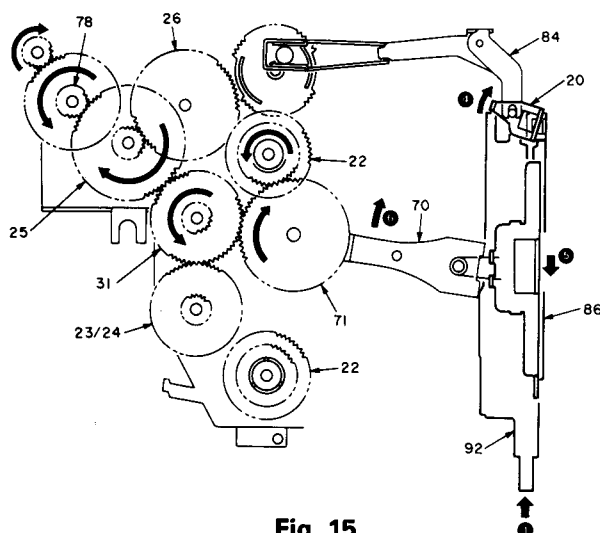


Fig. 15

MECHANISM OPERATION DESCRIPTION

REW

1. Press the REW lever (93) (**1**).
2. The return arm (88) is pushed by the REW lever (93) and rotates (**2**).
3. The head plate (2) is pulled back by the return arm (88) and moves back (**3**).
4. The seesaw plate (20) is pushed by the REW lever (93) and rotates (**4**).

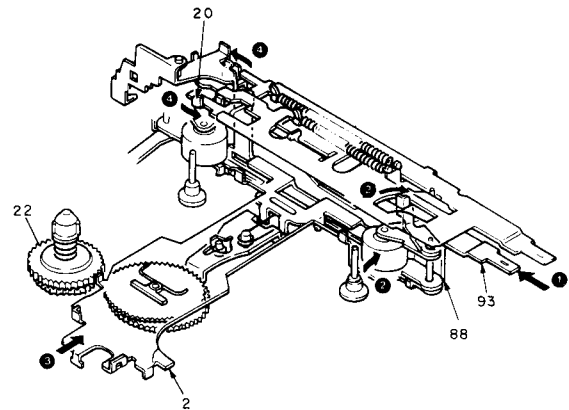


Fig. 16

5. The RF slide plate (86) is pushed by the seesaw plate (20) and moves backward (**5**).
6. The working plate (70) is pulled by the RF side plate (86), and the FR gear (71) engages with the sending side reel disk assembly (22) and F gear (24) (**6**).
7. The REW lever (93) is locked by the lock plate (96) (**7**).

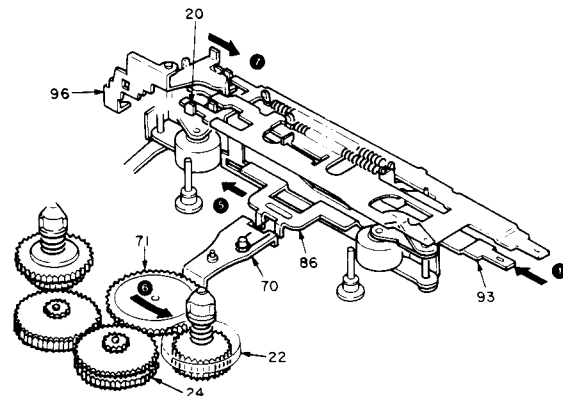


Fig. 17

8. If the FF lever (92) is pressed, the lock plate (96) rotates, the REW lever (93) lock is released and the deck enters play mode (**8**).

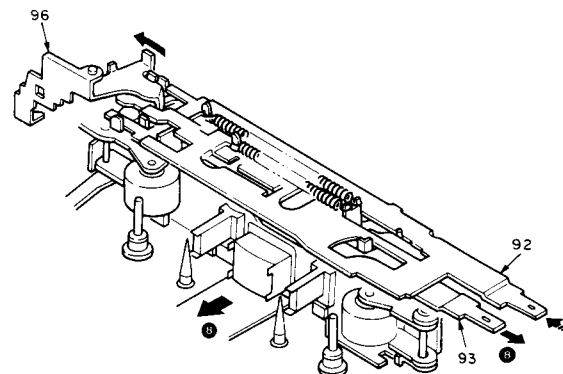


Fig. 18

KRC-356D/L/N

MECHANISM OPERATION DESCRIPTION

Note : During reverse play, since the seesaw working plate (84) moves the center of the seesaw plate (20) to the right, pressing the FF lever activates the rewind operation and pressing the REW lever activates the fast-forward operation.

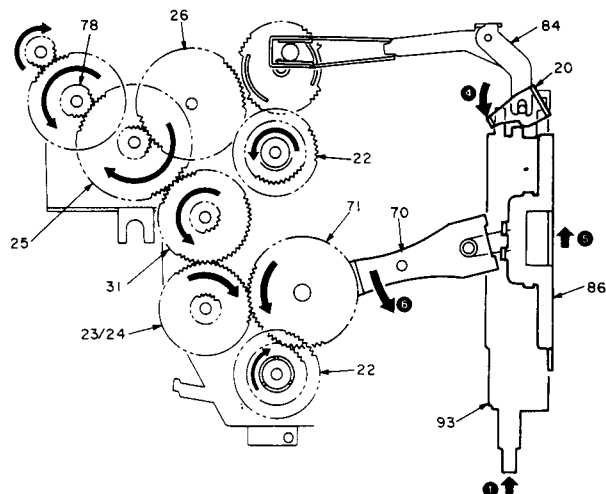
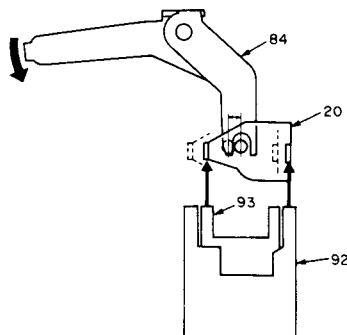


Fig. 19

AUTO REVERSE

1. When the end of the taps is reached during playback and the reel disk assembly (22) stops rotating, the ED plate (28) is pushed by the ED gear (26) (❶).
2. The ED gear (26) rotates and the boss pushes the ED plate (28) further (❷).
3. The ED plate (28) pushes the trigger arm (81) (❸).
4. The trigger arm (81) releases the reverse gear (27) lock (❹). (The "program" operation starts.)

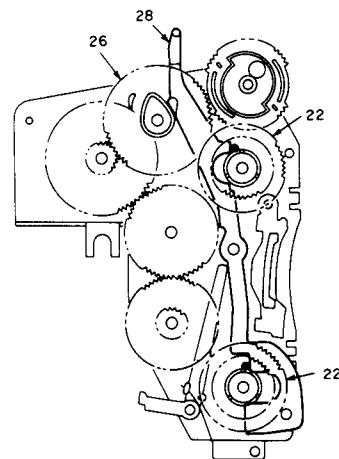


Fig. 20

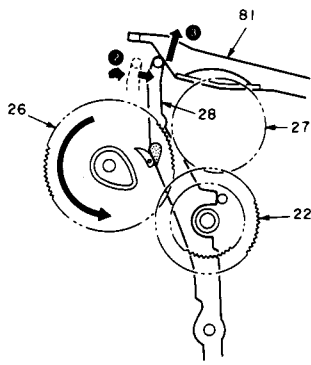
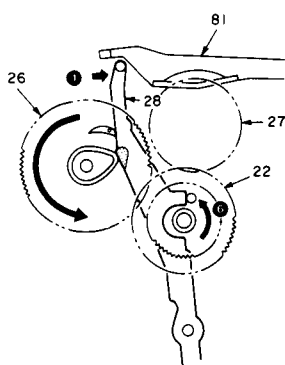
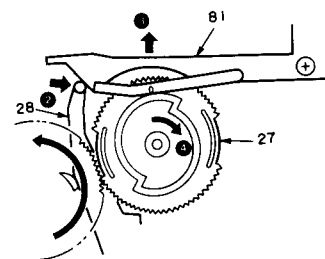


Fig. 21



KRC-356D/L/N

MECHANISM OPERATION DESCRIPTION

5. In the same way, during FF and REW, the ED plate operates when the tape end is reached. When the plate (64) moves (7), the lock plate (96) rotates (8) and the FF/REW lever is released, causing the deck to enter play mode (9).
6. The pin at the lower side of the reel disk assembly (22) resets the ED plate (28) (6).

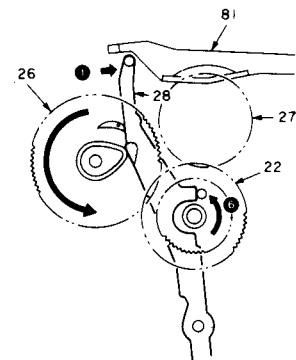


Fig. 23

EJECT

1. Press the EJ lever (61) (1).
2. The push plate (58) is pushed by the EJ lever (61) and rotates the push arm (83) (2).
3. The push arm (83) moves the head plate (2) back (3).
4. The EJ lever (61) moves the rod (52) and rotates the PE plate (44) (4).

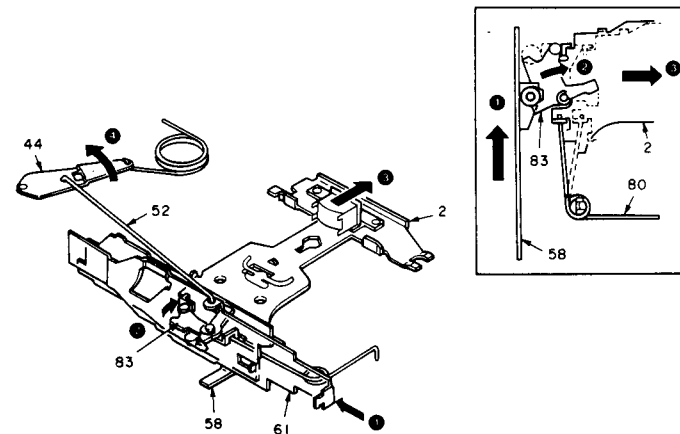


Fig. 24

5. The holder (48) moves up following the push plate (58) groove (5).
6. The PE plate (44) turns the reverse spring (47) over and pushes out the pack slider (50) (6).

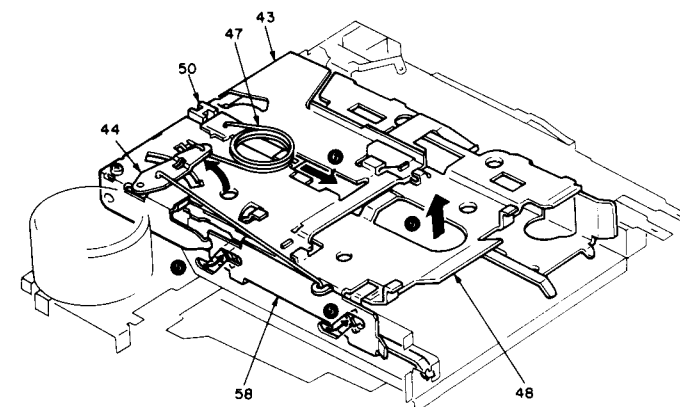


Fig. 25

KRC-356D/L/N

ADJUSTMENT

Set the controls and switches as follows.

BALANCE	:center position	LOUD	:OFF	METAL	:OFF
FADER	:center position	T · ADV	:OFF	DOLBY NR	:OFF
BASS	:center position	LOCAL	:OFF		
TREBLE	:center position	AUTO	:OFF		

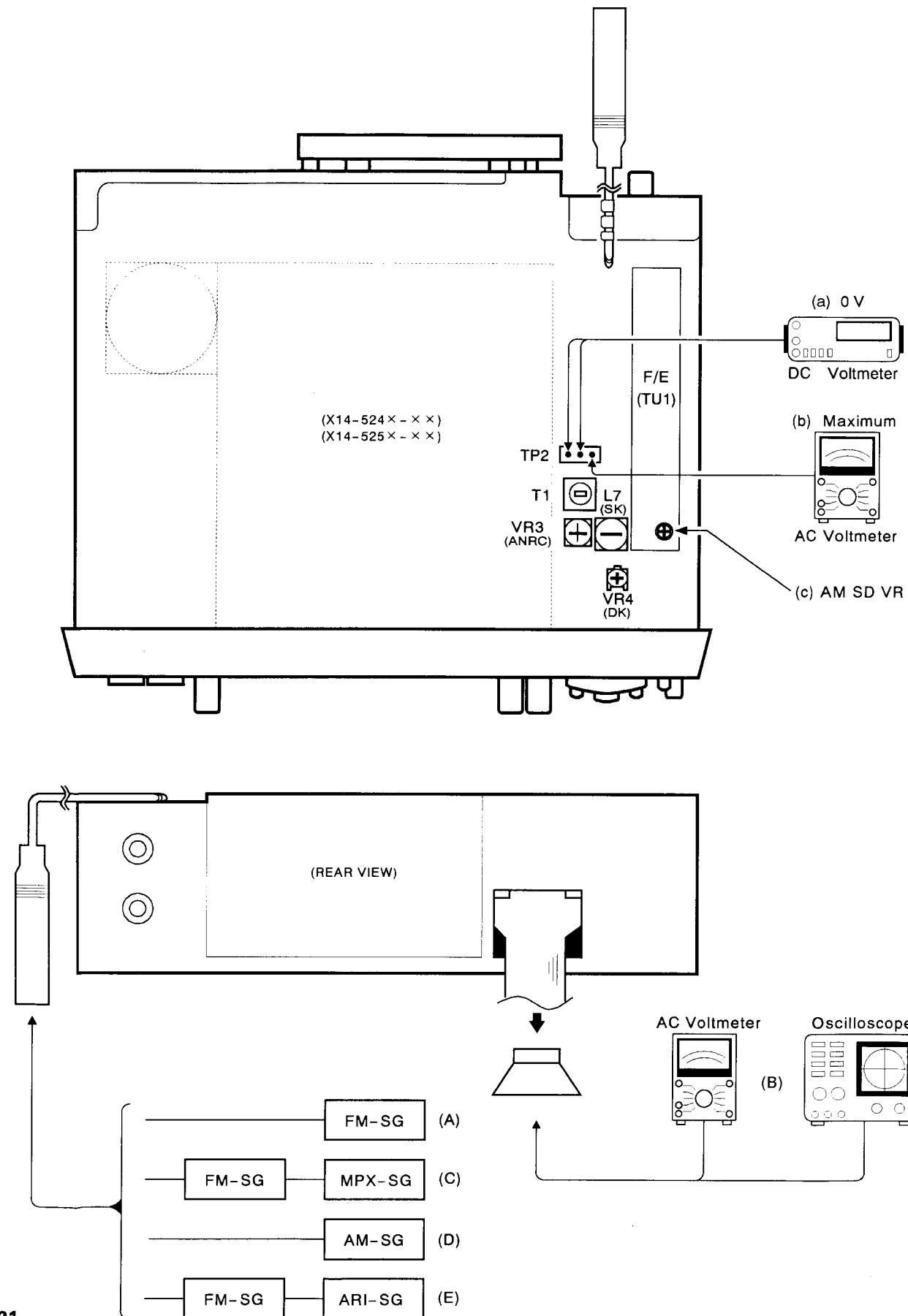
No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRI-MINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to TP2	FM 98.1MHz	T1	0V	(a)
2	ANRC	(C) 98.1MHz 1kHz, ± 40 kHz dev Pilot: ± 6.0 kHz dev Selector: L or R 35dB μ (ANT input)	(B)	FM 98.1MHz	VR3	Separation 10dB	
SDK SECTION							
<1>	DK LEVEL	(E) 98.1MHz 0 mod SK 5.33% DK 30% BK 60% 60dB μ (ANT input)	Connect an AC voltmeter to TP2	FM 98.1MHz SDK, OFF	L7 VR4	Maximum	(b)
AM SECTION							
(1)	SEEK STOP LEVEL	(D) 999 kHz 400Hz, 30% mod 35dB μ (ANT input)	TEST MODE : ON	AM 999 kHz	VR (TU1)	STOP	(c)
CASSETTE DECK SECTION							
[1]	AZINUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	—	(e)

*Test mode : Turn power ON while holding the **DOWN** and **DISP** keys depressed. (All of the LCD elements light.)
Then, press the **FM** or **AM** key.

To quit : Power OFF.

KRC-356D/L/N

ADJUSTMENT



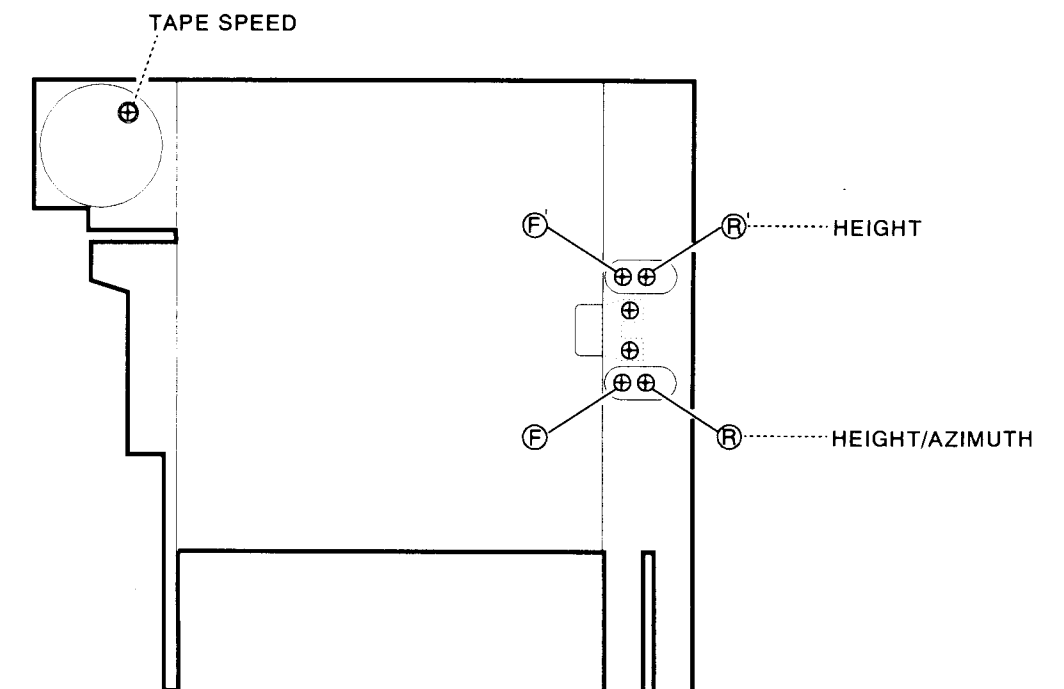
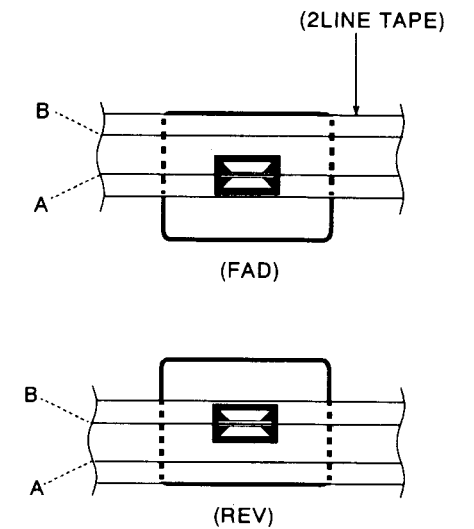
KRC-356D/L/N

ADJUSTMENT

Head Angle Adjustment

Head height alignment procedure

- During FWD transport, adjust screws ⑥ and ⑥' so that line A of 2-line tape passes through the center of the head shield plate (white section).
- During REV transport, adjust screws ⑦ and ⑦' so that line B of 2-line tape passes through the center of the head shield plate (white section).
- After the alignment above, reverse the transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used: SCC-1659, manufactured by A-BEX).

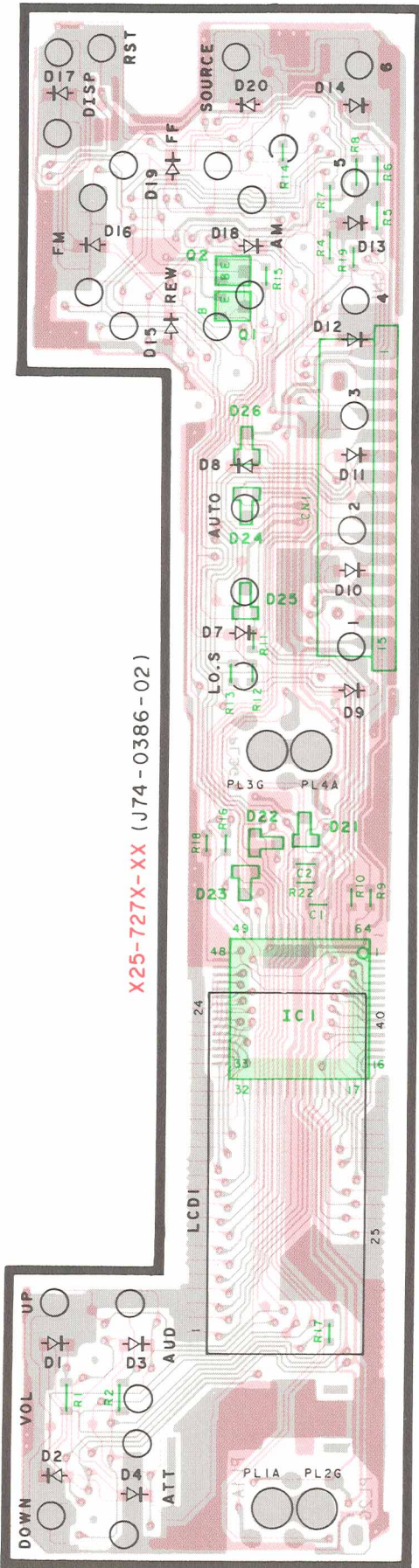


PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT(X25-727X-XX)
0-10:356D/N, 2-71/2-72:356L, 2-73:356N

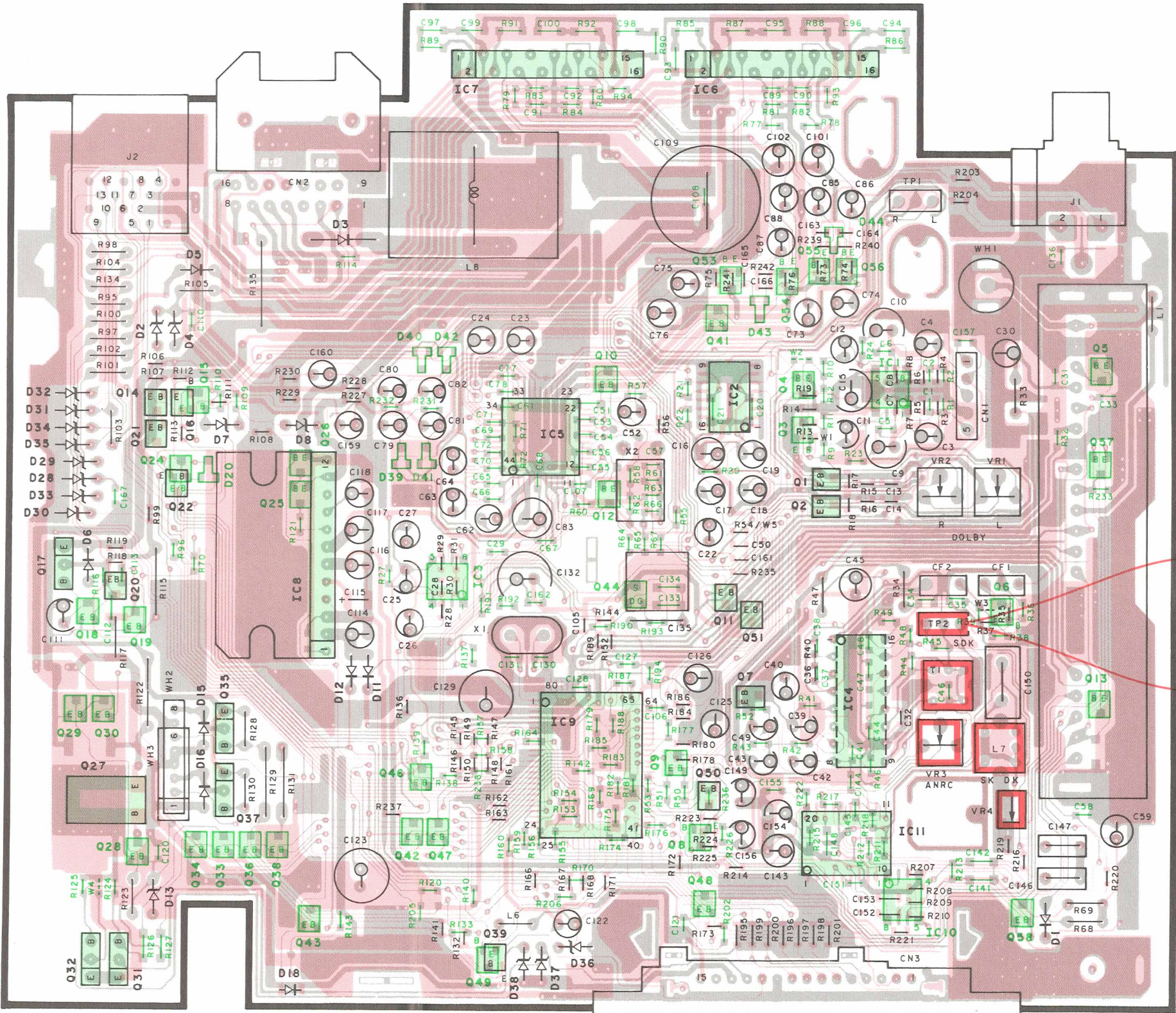
(X14-524X-XX)		
IC	Q	address
1		4H
3		5F
4		5H
5		4F
6		2G
7		2F
8		5E
9		6F
10		6H
11		6H
3		4H
4		4I
5		5I
6		5G
7		6G
8		6G
9		4F
10		4F
12		4F
13		5I
14		4D
15		4D
16		4D
17		5D
18		5D
19		5D
20		5D
21		4D
22		4D
24		4D
25		4E
26		4E
27		6D
28		6D
29		5D
30		5D
35		5D
36		6E
37		6E
38		6E
39		7F
41		3G
42		6E
43		7E
44		5G
46		6E
50		6G
53		3G
54		3G
55		3H
56		3H
57		4I
58		6I

(X25-727X-XX)		
IC	Q	address
1		5C
1		3B
2		2B



SYNTHESIZER UNIT(X14-5242-XX) -70:356D, -71:356L, -72:356N
SYNTHESIZER UNIT(X14-5252-XX) -70:356L, -71:356N

X14-5242-7X (J74-0384-02)



DC voltmeter
DISCRIMINATOR : 0V
AC voltmeter
DK LEVEL : Max

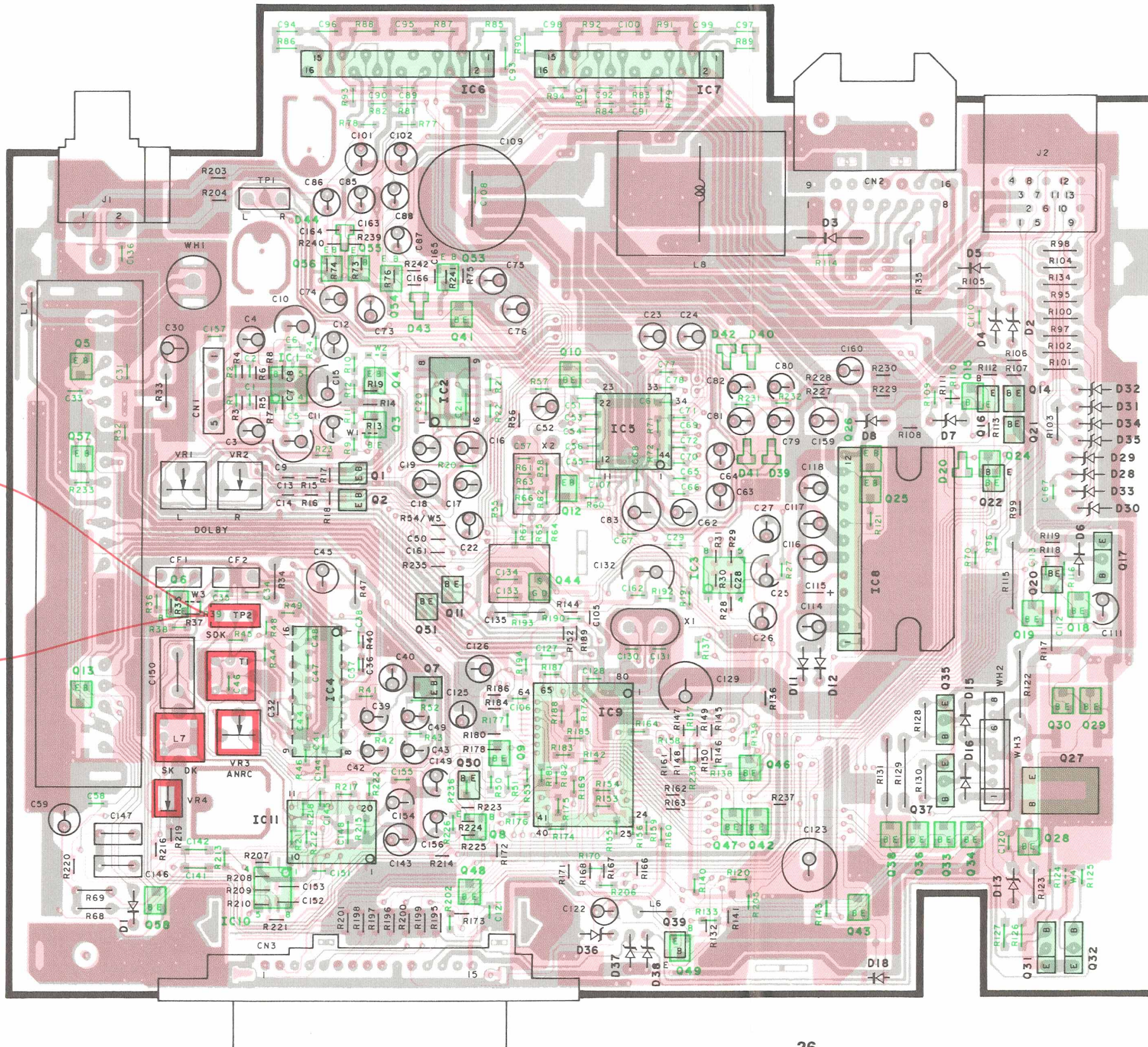
PC BOARD (FOIL SIDE VIEW)

SYNTHESIZER UNIT(X14-5242-XX) -70:356D, -71:356L, -72:356N
SYNTHESIZER UNIT(X14-5252-XX) -70:356L, -71:356N

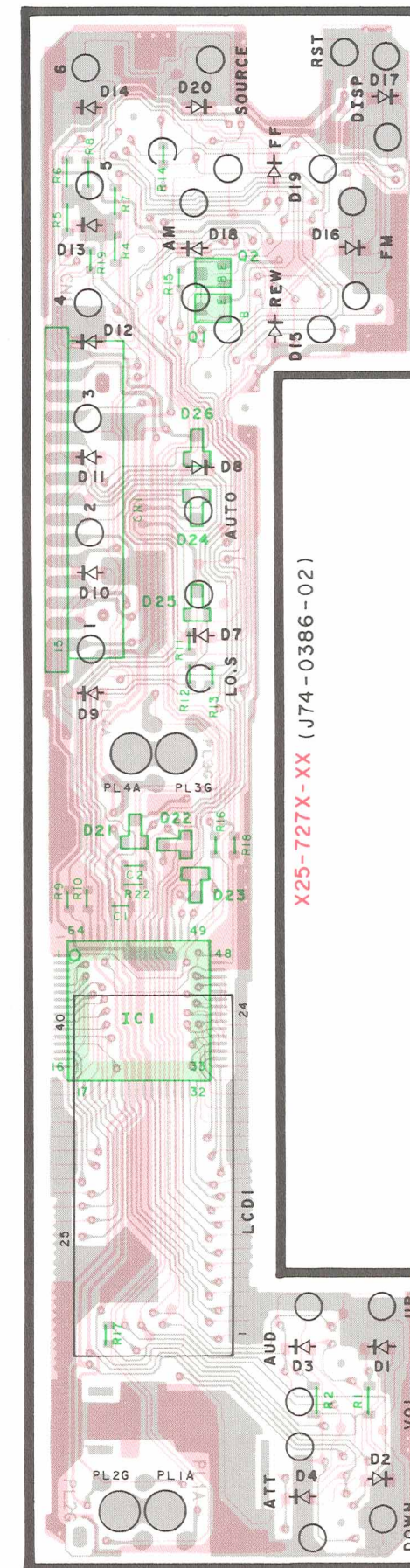
X14-5242-7X (J74-0384-02)

DC voltmeter
DISCRIMINATOR : 0V

AC voltmeter
DK LEVEL : Max



SWITCH UNIT(X25-727X-XX)
0-10:356D/N, 2-71/2-72:356L, 2-73:356N

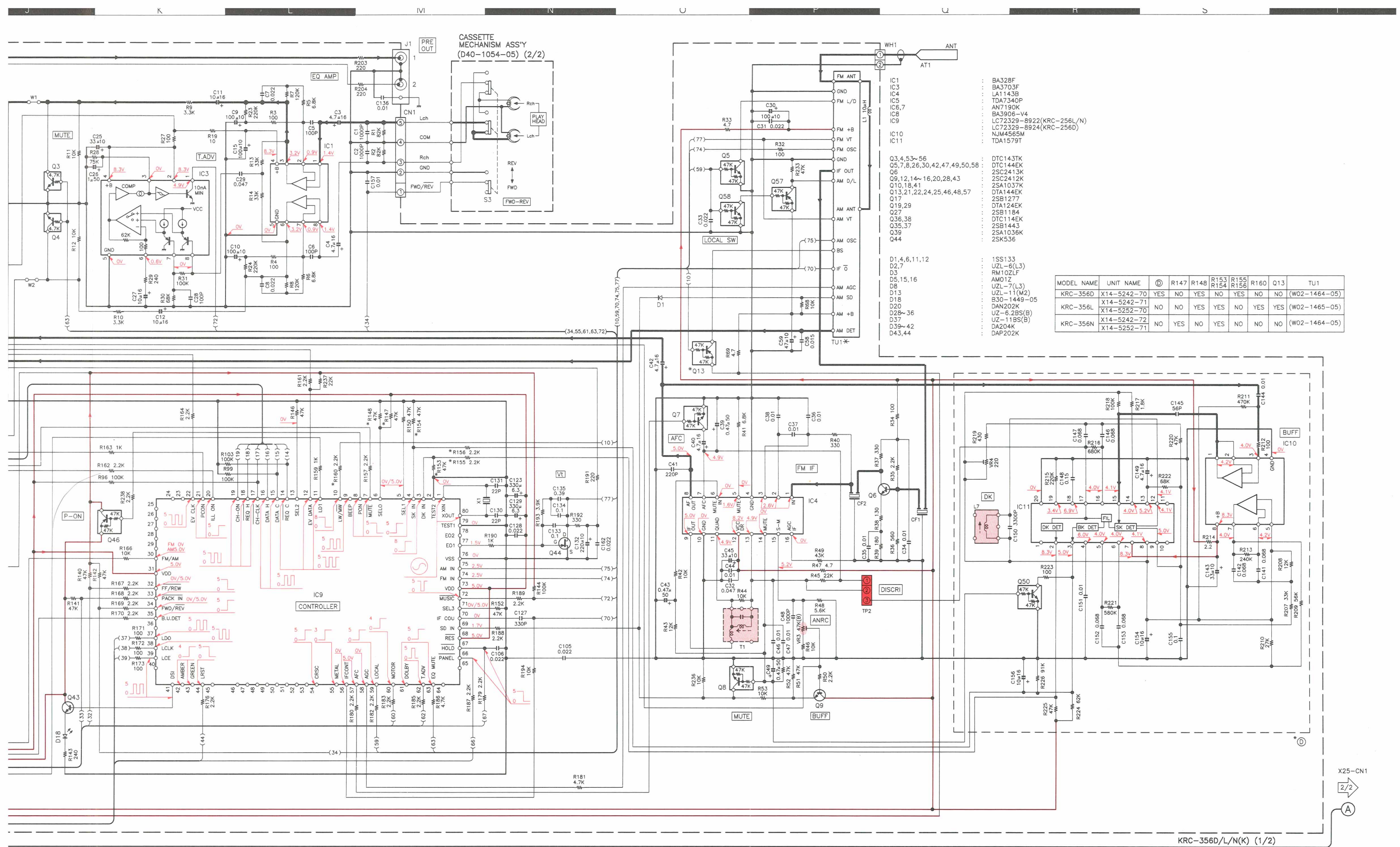


(X14-524X-XX)

IC	Q	address
1		4M
3		50
4		5M
5		40
6		2N
7		20
8		5P
9		60
10		6M
11		6M
3		4M
4		4M
5		4L
6		5L
7		5N
8		6N
9		6N
10		40
12		40
13		5L
14		4Q
15		4Q
16		4Q
17		5Q
18		5Q
19		5Q
20		5Q
21		4Q
22		4Q
24		4Q
25		4P
26		4P
27		6Q
28		6Q
29		5Q
30		5Q
35		5Q
36		6P
37		6P
38		6P
39		70
41		3N
42		6P
43		7P
44		5N
46		6P
50		6N
53		3N
54		3N
55		3M
56		3M
57		4L
58		6L

(X25-727X-XX)

IC	Q	address
1		5R
1		3S
2		2S

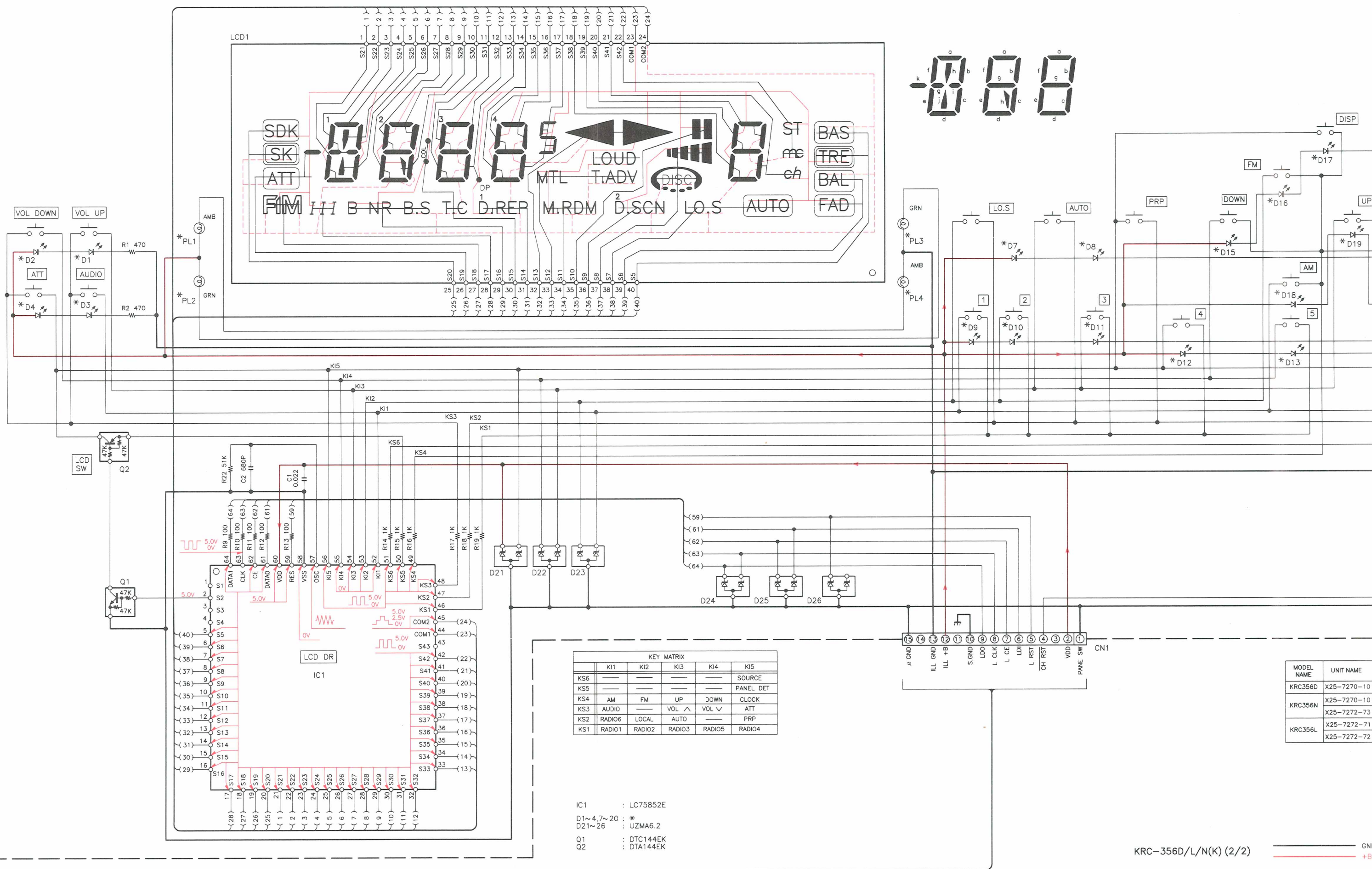


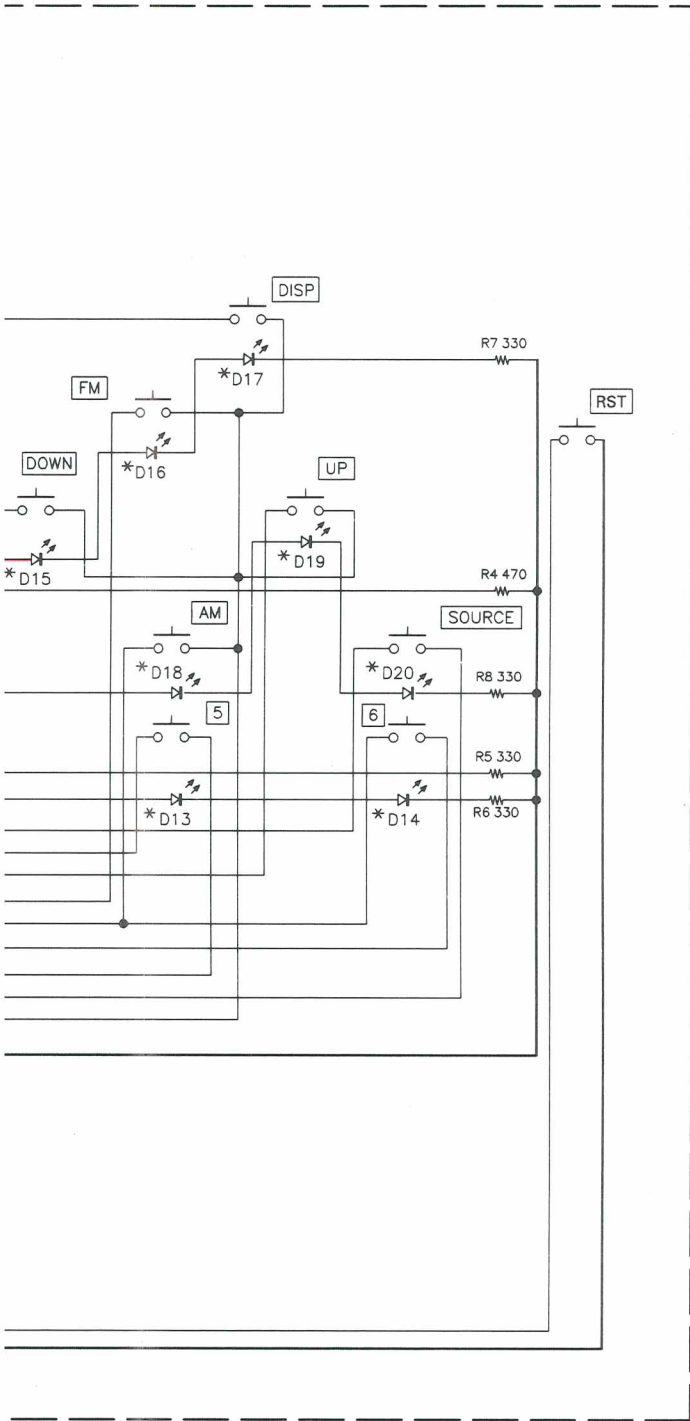
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **Δ** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y36-1962-71

KRC-356D/L/N
KENWOOD



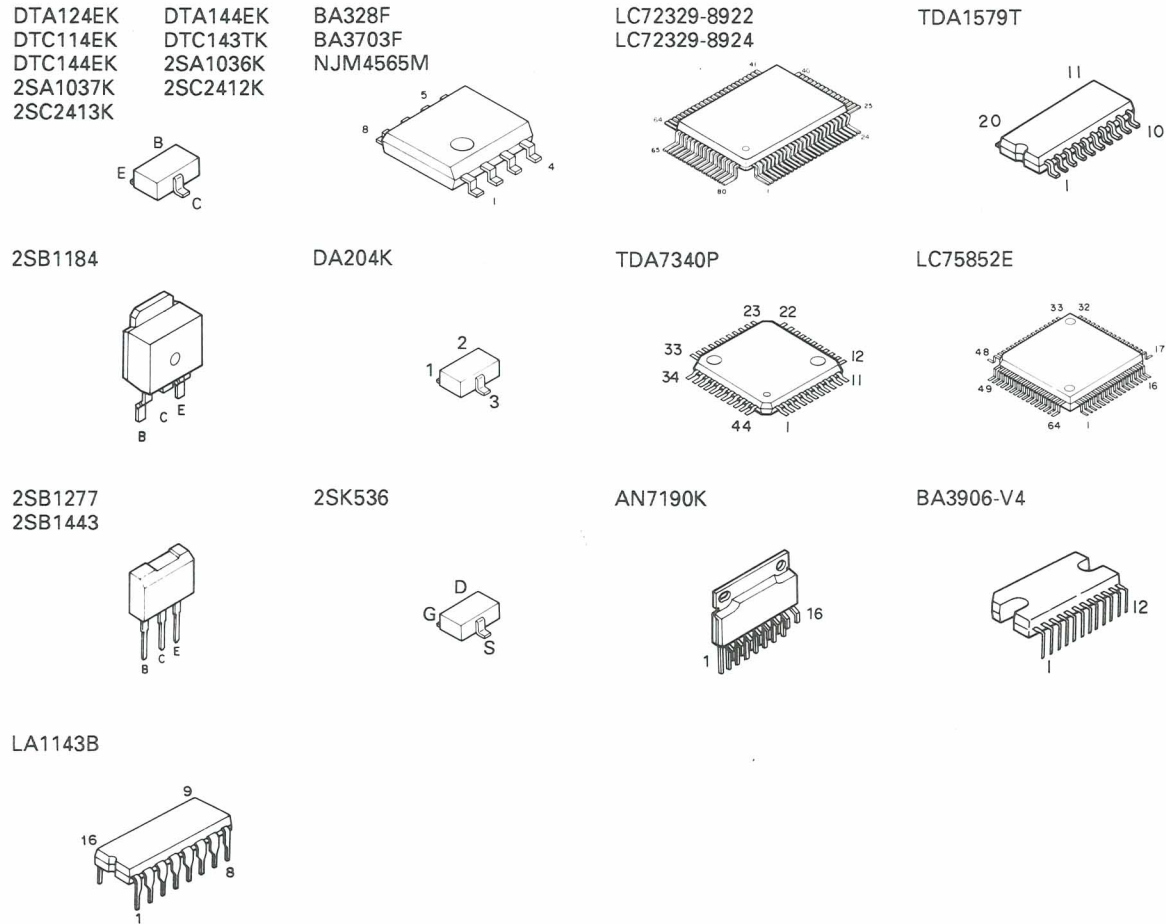


MODEL NAME	UNIT NAME	PL1,4(AMB)	PL2,3(GRN)	D1~ 4,7~ 20
KRC356D	X25-7270-10	NO	B30-1306-05	B30-1395-05
KRC356N	X25-7270-10 X25-7272-73			
KRC356L	X25-7272-71	B30-1305-05	NO	B30-1371-05
	X25-7272-72			

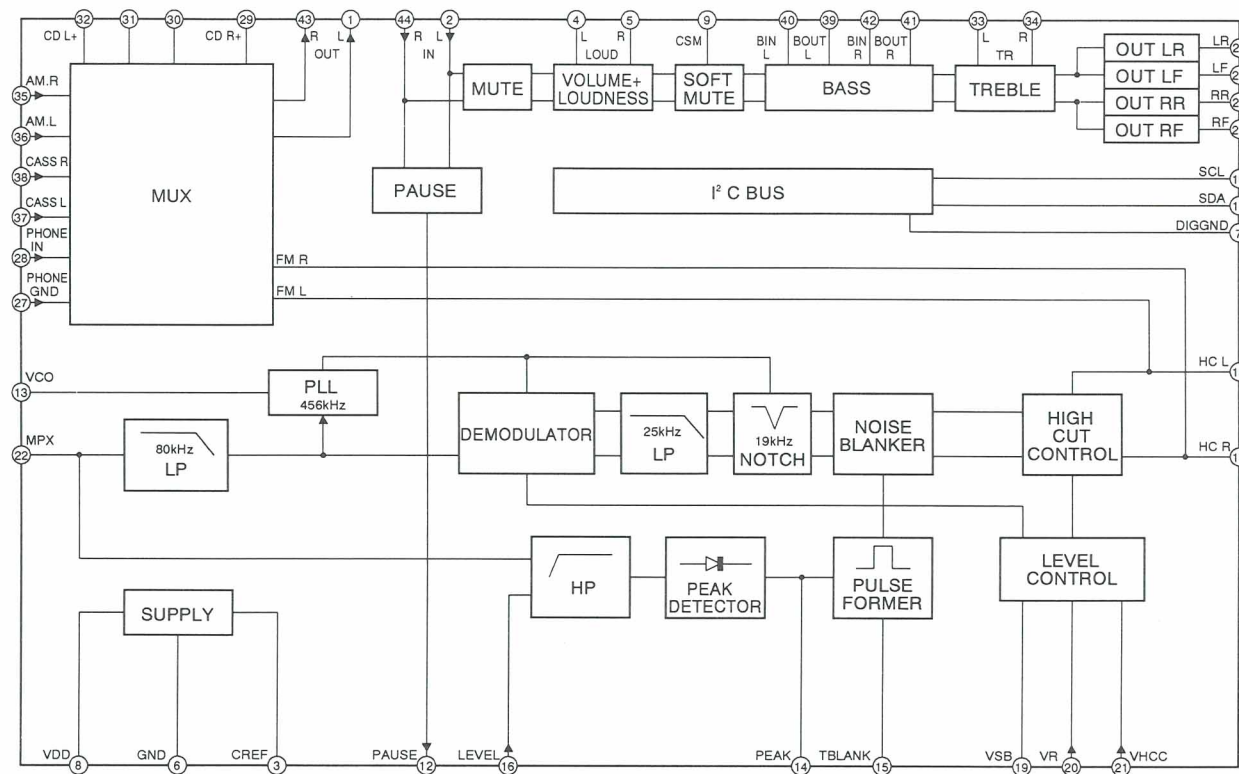
)(2/2) — GND LINE
— +B LINE

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

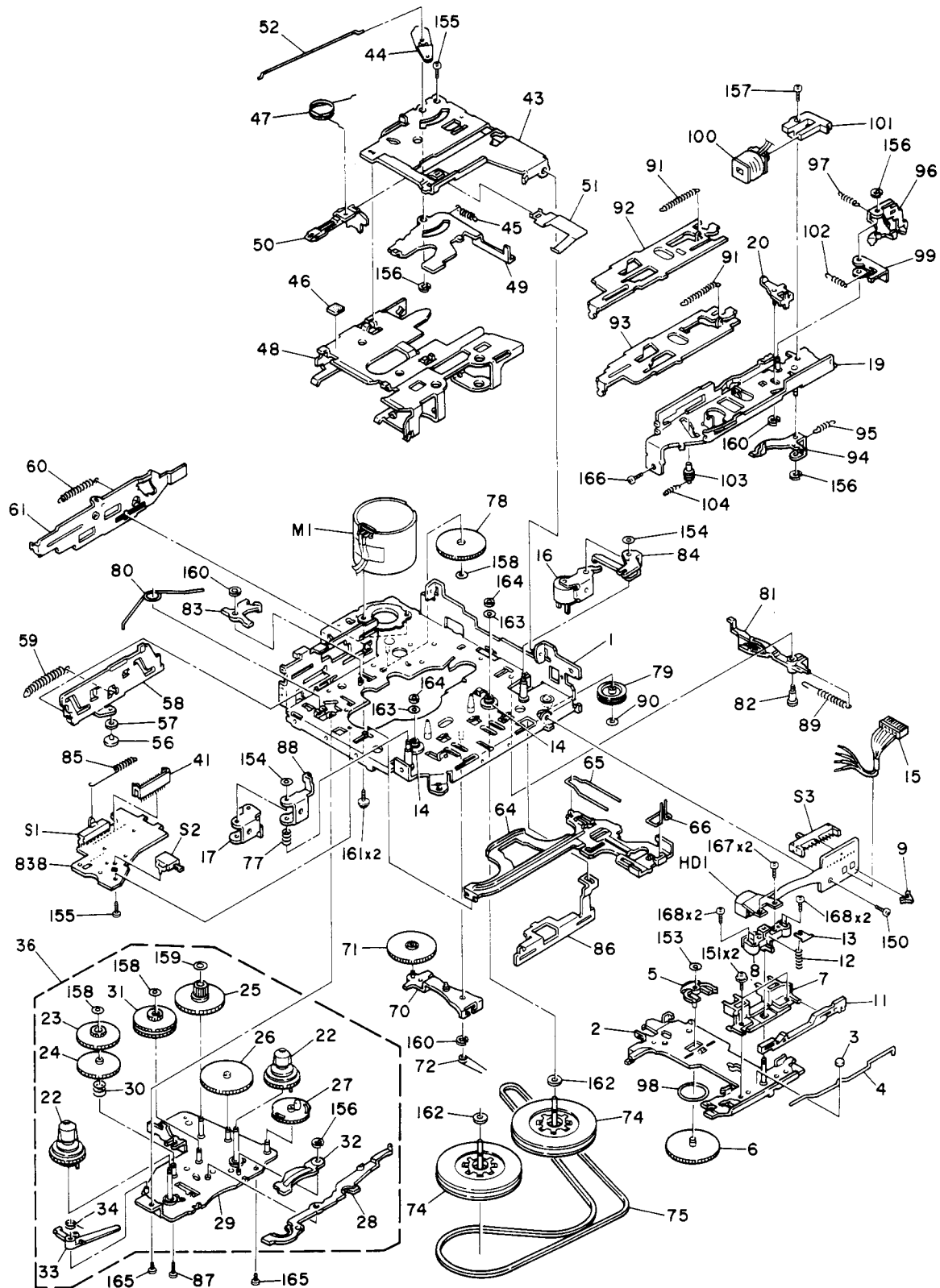
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



TDA7340P



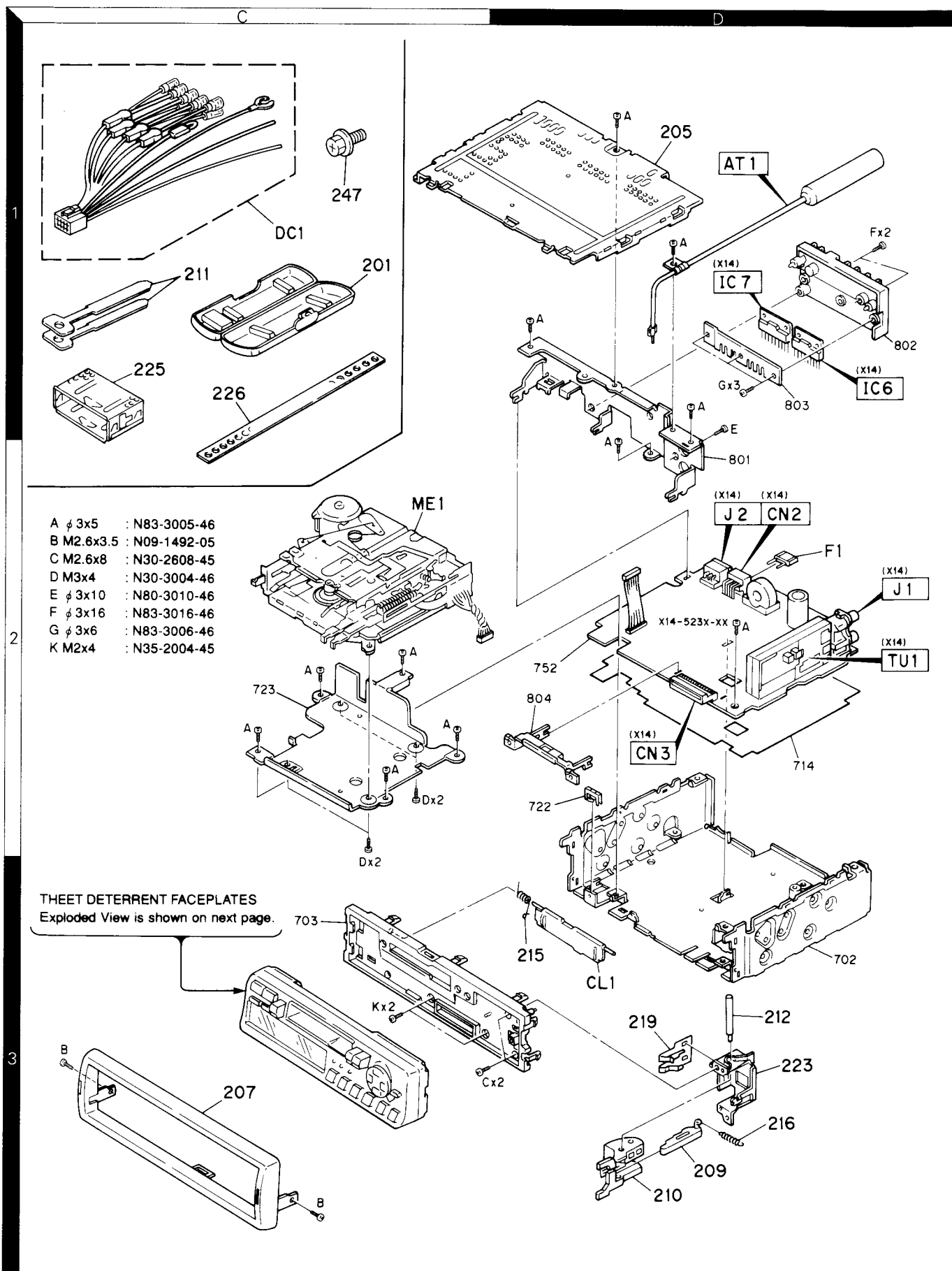
EXPLODED VIEW (MECHANISM)



D40-1054-05

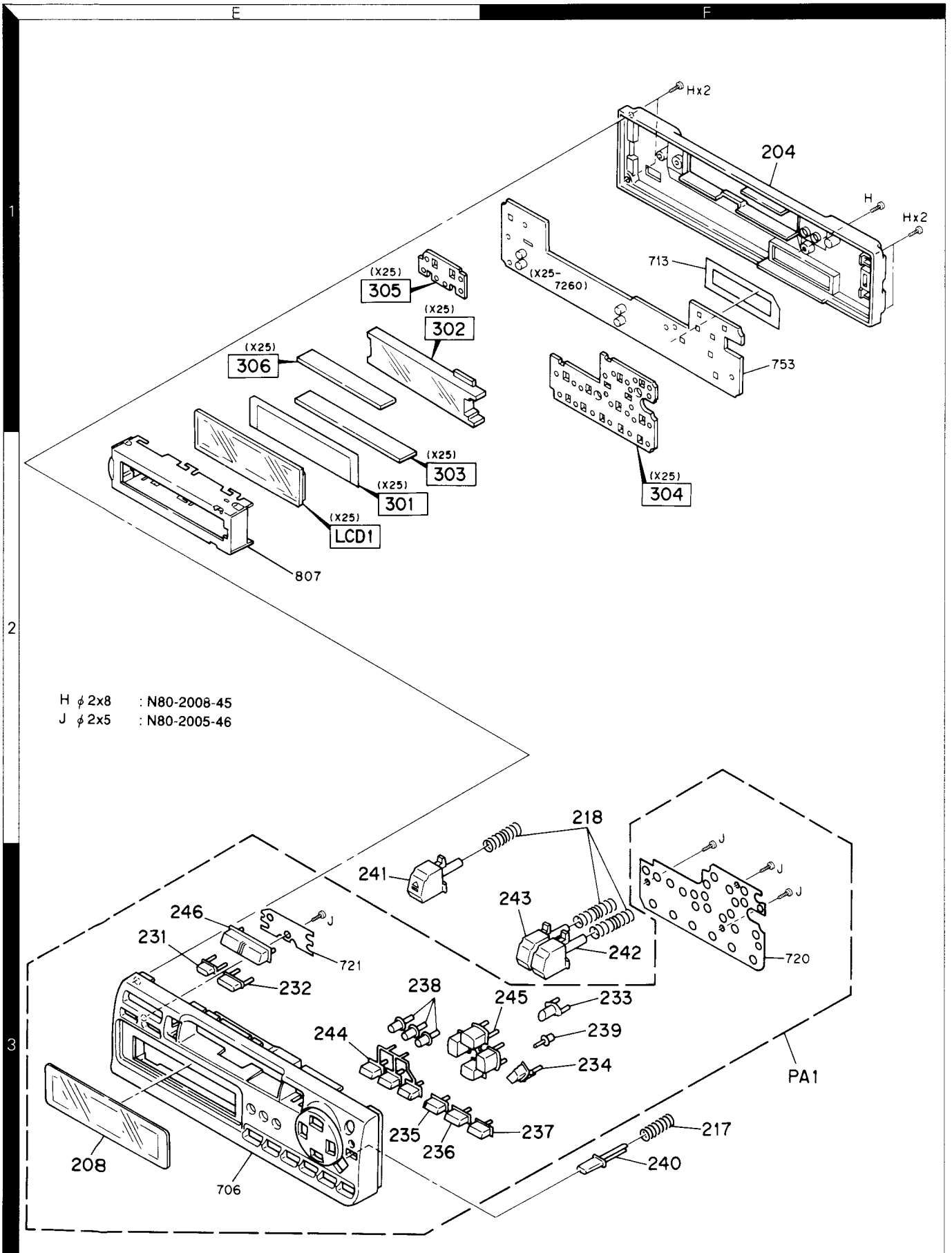
KRC-356D/L/N

EXPLODED VIEW (UNIT)



KRC-356D/L/N

EXPLODED VIEW (UNIT)



KRC-356D/L/N

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
KRC-356D/L/N			
201	1C	*	A02-1443-03 PLASTIC CABINET ASSY
204	1F	*	A46-1232-01 REAR COVER
205	1D	*	A52-0679-02 TOP COVER
CL1	3D	*	A53-1600-03 CASSETTE LID
PA1	3E	*	A64-0380-02 PANEL ASSY (KRC-356D) E
PA1	3E	*	A64-0381-02 PANEL ASSY (KRC-356L) E
PA1	3E	*	A64-0382-02 PANEL ASSY (KRC-356N) E
207	3C	*	B07-2057-02 ESCUTCHEON
208	3E	*	B10-1593-03 FRONT GLASS
-	-	-	B46-0100-30 WARRANTY CARD
-	-	-	B46-0182-14 ID CARD (KRC-356D) E
-	-	-	B46-0606-04 ID CARD (KRC-356L,N) E3E5
-	-	-	B58-1223-04 CAUTION CARD (CH)
-	-	-	B58-1225-04 CAUTION CARD (CH)(KRC-356L,N) E3E5
-	-	*	B64-0466-00 INST.MANUAL (E) (KRC-356L) E
-	-	*	B64-0467-00 INST.MANUAL (F,G) (KRC-356D,L) E1E3
-	-	*	B64-0468-00 INST.MANUAL (D) (KRC-356L) E
-	-	*	B64-0469-00 INST.MANUAL (I)
-	-	*	B64-0470-00 INST.MANUAL (S) (KRC-356N) E
209	3D	-	D10-2837-03 LEVER
210	3D	-	D10-2838-03 LEVER
211	1C	-	D10-2984-04 LEVER
212	3D	-	D21-2142-04 SHAFT
ME1	2C	-	D40-1054-05 CASSETTE MECHANISM ASSY
Δ DC1	1C	*	E30-4227-05 DC CORD
Δ F1	2D	*	F52-0006-05 FUSE(MINI BLADE TYPE) (10A)
215	3D	-	G01-2525-04 TORSION COIL SPRING
216	3D	*	G01-2710-04 EXTENSION SPRING
217	3F	*	G01-2711-04 COMPRESSION SPRING
218	3F	*	G01-2726-04 COMPRESSION SPRING
219	3D	*	G02-1191-03 FLAT SPRING
-	-	*	H10-4489-02 POLYSTYRENE FOAMED FIXTURE
-	-	-	H25-0329-04 PROTECTION BAG (280X450X0.03) E1E5
-	-	-	H25-0337-04 PROTECTION BAG (180X300X0.03)
-	-	-	H25-1111-04 PROTECTION BAG (280X450X0.03) E
-	-	*	H54-0290-04 ITEM CARTON CASE (KRC-356D) E
-	-	*	H54-0292-04 ITEM CARTON CASE (KRC-356L) E
-	-	*	H54-0294-04 ITEM CARTON CASE (KRC-356N) E
-	-	*	H64-0326-04 OUTER CARTON CASE (KRC-356D) E
-	-	*	H64-0328-04 OUTER CARTON CASE (KRC-356L) E
-	-	*	H64-0330-04 OUTER CARTON CASE (KRC-356N) E
224	3D	*	J21-7545-03 MOUNTING HARDWARE
225	1C	-	J21-7564-13 MOUNTING HARDWARE ASSY
231	3E	*	K24-1552-04 KNOB (ATT)
232	3E	*	K24-1553-04 KNOB (AUD)
233	3F	*	K24-1554-04 KNOB (DISP)
234	3F	*	K24-1555-04 KNOB (SRC)
235	3E	*	K24-1556-03 KNOB (4)
236	3E	*	K24-1557-03 KNOB (5)
237	3E	*	K24-1558-03 KNOB (6)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
238	3E	*	K24-1559-04 KNOB (AUTO)
239	3F	*	K24-1560-04 KNOB (RESET)
240	3F	*	K24-1561-04 KNOB (RELEASE)
241	3E	*	K24-1562-04 KNOB (EJECT)
242	3F	*	K24-1563-04 KNOB (FF)
243	3F	*	K24-1564-04 KNOB (REW)
244	3E	*	K25-0659-03 KNOB (1,2,3)
245	3E	*	K25-0660-03 KNOB (FM,AM,TUNE)
246	3E	*	K25-0661-03 KNOB (VOL)
247	1C	-	N09-1885-05 SEMS (MACHINE SCREW)
A	1D	-	N83-3005-46 PAN HEAD TAPTITE SCREW
B	3C	-	N09-1492-05 MACHINE SCREW (2.6X3.5,PAN)
C	3C	-	N30-2608-45 PAN HEAD MACHINE SCREW
D	2C	-	N30-3004-46 PAN HEAD MACHINE SCREW
H	1F	-	N80-2008-45 PAN HEAD TAPTITE SCREW
J	3F	-	N80-2005-46 PAN HEAD TAPTITE SCREW
K	3C	-	N35-2004-45 BINDING HEAD MACHINE SCREW
SYNTHESIZER UNIT (X14-524X-XX) 2-70: KRC-356D 2-71: KRC-356L 2-72:KRC-356N			
D18	*	B30-1449-05	LED
C1	,2	CK73FB1H102K	CHIP C 1000PF K
C3	,4	CE04CW1C4R7M	ELECTRO 4.7UF 16WV
C5	,6	CC73FCH1H101J	CHIP C 100PF J
C7	,8	CK73FB1H223KTA	CHIP C 0.022UF K
C9	,10	CE04CW1A101M	ELECTRO 100UF 10WV
C11	,12	CE04CW1C100M	ELECTRO 10UF 16WV
C15		CE04CW1A101M	ELECTRO 100UF 10WV
C22		CE04CW1C4R7M	ELECTRO 4.7UF 16WV
C23	,24	CE04CW1H010M	ELECTRO 1.0UF 50WV
C25		CE04CW1A330M	ELECTRO 33UF 10WV
C26		CE04CW1H010M	ELECTRO 1.0UF 50WV
C27		CE04CW1C100M	ELECTRO 10UF 16WV
C28		CC73FCH1H101J	CHIP C 100PF J
C29		CK73FB1H473KTA	CHIP C 0.047UF K
C30		CE04DW1A101M	ELECTRO 100UF 10WV
C31		CK73FB1H223KTA	CHIP C 0.022UF K
C32		CK73FB1H473KTA	CHIP C 0.047UF K
C33		CK73FB1H223KTA	CHIP C 0.022UF K
C34	-38	CK73FB1H103K	CHIP C 0.010UF K
C39		CE04CW1HR47M	ELECTRO 0.47UF 50WV
C40		CE04CW1C4R7M	ELECTRO 4.7UF 16WV
C41		CK73FB1H221K	CHIP C 220PF K
C42		CE04CW1C4R7M	ELECTRO 4.7UF 16WV
C43		CE04CW1HR47M	ELECTRO 0.47UF 50WV
C44		CK73FB1H103K	CHIP C 0.010UF K
C45		CE04CW1A330M	ELECTRO 33UF 10WV
C46	,47	CK73FB1H103K	CHIP C 0.010UF K
C48		CK73FB1H102K	CHIP C 1000PF K
C49		CE04CW1HR47M	ELECTRO 0.47UF 50WV
C50		CK73FB1H152K	CHIP C 1500PF K
C51	*	CK73EB1E274K	CHIP C 0.27UF K
C52		CE04CW1H2R2M	ELECTRO 2.2UF 50WV
C53	,54	CK73FB1H102K	CHIP C 1000PF K
C55		CK73FB1H473KTA	CHIP C 0.047UF K
C56		CC73FCH1H101J	CHIP C 100PF J

E: Europe W: Without Europe P: Canada X: Australia

K: U.S.A. and Canada

M: Without Europe, U.S.A. and Canada

Δ indicates safety critical components.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

SYNTHESIZER UNIT (X14-524X-XX) 2-70: KRC-356D 2-71: KRC-356L 2-72: KRC-356N

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格	Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
C57		CK73FB1H103K	CHIP C 0.010UF K	C159,160		CE04CW1C100M	ELECTRO 10UF 16WV
C58		CK73FB1H153KTA	CHIP C 0.015UF K	C162		CK73FB1H223KTA	CHIP C 0.022UF K
C59		CE04NW1A470M	ELECTRO 47UF 10WV	C163-166		CK73FB1H392K	CHIP C 3900PF K
C61		CK73FB1H103K	CHIP C 0.010UF K	C167		CK73FB1H103K	CHIP C 0.010UF K
C62 -64		CE04CW1H010M	ELECTRO 1.0UF 50WV	AT1 1D		E30-4205-05	CORD WITH PLUG
C65 ,66		CK73FB1H153KTA	CHIP C 0.015UF K	CN1		E40-3240-05	PIN ASSY
C67		CK73FB1H331K	CHIP C 330PF K	CN2	*	E58-0836-05	RECTANGULAR RECEPTACLE
C68		CK73FB1H223KTA	CHIP C 0.022UF K	CN3	*	E58-0839-05	RECTANGULAR RECEPTACLE
C69 -72		CK73FB1C104K	CHIP C 0.10UF K	J1		E13-0235-05	PHONE JACK
C73 -76		CE04CW1C100M	ELECTRO 10UF 16WV	J2		E56-0809-05	CYLINDRICAL RECEPTACLE
C77 ,78		CK73FB1H152K	CHIP C 1500PF K	TP2		E40-9184-05	PIN ASSY
C79 ,80		CE04CW1C100M	ELECTRO 10UF 16WV	WH2	*	E39-0090-05	WIRING HARNESS
C81 ,82		CE04CW1C4R7M	ELECTRO 4.7UF 16WV	CF1 ,2		L72-0716-05	CERAMIC FILTER
C83		CE04CW1A101M	ELECTRO 100UF 10WV	L1		L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)
C85 -88		CE04CW1H2R2M	ELECTRO 2.2UF 50WV	L6		L40-1011-17	SMALL FIXED INDUCTOR
C89 -92		CK73FB1H102K	CHIP C 1000PF K	L7		L39-0156-05	TRAP COIL
C93 -100		CK73EB1E224K	CHIP C 0.22UF K	L8		L33-1021-05	CHOKE COIL
C101,102		C90-2681-05	ELECTRO 33UF 16WV	T1		L30-0462-15	FM IFT
C105,106		CK73FB1H223KTA	CHIP C 0.022UF K	X1		L77-1163-05	CRYSTAL RESONATOR(4.5M)
C107		CK73FB1H473KTA	CHIP C 0.047UF K	X1		L77-1165-05	CRYSTAL RESONATOR(4.5MHZ)
C108	*	CK73FB1H223KTA	CHIP C 0.022UF K	X1		L77-2025-05	CRYSTAL RESONATOR
C109		C90-2835-05	ELECTRO 4700UF 16WV	X2		L78-0520-05	RESONATOR
C110		CK73FB1H223KTA	CHIP C 0.022UF K	A 1D		N83-3005-46	PAN HEAD TAPTITE SCREW
C111		CE04DW1B3R3M	ELECTRO 3.3UF 25WV	E 1D		N80-3010-46	PAN HEAD TAPTITE SCREW
C112		CK73EB1H683K	CHIP C 0.068UF K	F 1D		N83-3016-46	PAN HEAD TAPTITE SCREW
C113		CK73FB1C104K	CHIP C 0.10UF K	G 1D		N83-3006-46	PAN HEAD TAPTITE SCREW
C114		CE04CW1C4R7M	ELECTRO 4.7UF 16WV	R1 ,2		RK73FB2A823J	CHIP R 82K J 1/10W
C115		C92-0009-05	CHIP-TAN 4.7UF 10WV	R3 ,4		RK73FB2A101J	CHIP R 100 J 1/10W
C116-118		CE04CW1C4R7M	ELECTRO 4.7UF 16WV	R5 ,6		RK73FB2A682J	CHIP R 6.8K J 1/10W
C120		CK73FB1H473KTA	CHIP C 0.047UF K	R7 ,8		RK73FB2A124J	CHIP R 120K J 1/10W
C121		CK73FB1H223KTA	CHIP C 0.022UF K	R9 ,10		RK73FB2A332J	CHIP R 3.3K J 1/10W
C122		CE04CW1C100M	ELECTRO 10UF 16WV	R11 ,12		RK73FB2A103J	CHIP R 10K J 1/10W
C123		CE04CW0J331M	ELECTRO 330UF 6.3WV	R13 ,14		RK73FB2A333J	CHIP R 33K J 1/10W
C127		CK73FB1H331K	CHIP C 330PF K	R19		RK73FB2A100J	CHIP R 10 J 1/10W
C128		CK73FB1H223KTA	CHIP C 0.022UF K	R23 ,24		RK73FB2A224J	CHIP R 220K J 1/10W
C129		CE04CW0J331M	ELECTRO 330UF 6.3WV	R27		RK73FB2A101J	CHIP R 100 J 1/10W
C130,131		CC73FCH1H220J	CHIP C 22PF J	R28		RK73FB2A753J	CHIP R 75K J 1/10W
C132		CE04CW1A221M	ELECTRO 220UF 10WV	R29		RK73FB2A241J	CHIP R 240 J 1/10W
C133,134		C93-1032-05	CERAMIC 0.10UF K	R30		RK73FB2A683J	CHIP R 68K J 1/10W
C135		CF92V1H394J	MF-C 0.39UF J	R31		RK73FB2A104J	CHIP R 100K J 1/10W
C136		CK73FB1H103K	CHIP C 0.010UF K	R32		RK73FB2A101J	CHIP R 100 J 1/10W
C141,142		C93-0026-05	CHIP C 0.068UF 50WV E	R35		RK73FB2A222J	CHIP R 2.2K J 1/10W
C143		CE04CW1A330M	ELECTRO 33UF 10WV E	R36		RK73FB2A561J	CHIP R 560 J 1/10W
C144		CK73FB1H103K	CHIP C 0.010UF K E	R37		RK73FB2A331J	CHIP R 330 J 1/10W
C145		CC73FCH1H560J	CHIP C 56PF J E	R38		RK73FB2A131J	CHIP R 130 J 1/10W
C146,147		C91-2050-05	CERAMIC 0.068UF Z E	R39		RK73FB2A181J	CHIP R 180 J 1/10W
C148		C93-0024-05	CERAMIC 0.15UF 16WV E	R40		RK73FB2A331J	CHIP R 330 J 1/10W
C149		CE04CW1C4R7M	ELECTRO 4.7UF 16WV E	R41		RK73FB2A682J	CHIP R 6.8K J 1/10W
C150		C993AP2A332J	POLYPRO 3300PF J E	R42		RK73FB2A103J	CHIP R 10K J 1/10W
C151		CK73FB1H103K	CHIP C 0.010UF K E	R43		RK73FB2A123J	CHIP R 12K J 1/10W
C152,153		C93-0026-05	CHIP C 0.068UF 50WV E	R44		RK73FB2A103J	CHIP R 10K J 1/10W
C154		CE04CW1C100M	ELECTRO 10UF 16WV E	R45		RK73FB2A223J	CHIP R 22K J 1/10W
C155		CK73FB1C104K	CHIP C 0.10UF K E	R46		RK73FB2A103J	CHIP R 10K J 1/10W
C156		CE04CW1C100M	ELECTRO 10UF 16WV E	R48		RK73FB2A562J	CHIP R 5.6K J 1/10W
C157		CK73FB1H103K	CHIP C 0.010UF K				

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⚠ indicates safety critical components.

KRC-356D/L/N

PARTS LIST

★ New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

SYNTHESIZER UNIT (X14-524X-XX) 2-70: KRC-356D 2-71: KRC-356L 2-72: KRC-356N

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格	Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
R49		RK73FB2A433J	CHIP R 43K J 1/10W	R152		RK73FB2A473J	CHIP R 47K J 1/10W E
R50		RK73FB2A222J	CHIP R 2.2K J 1/10W	R152-154		RK73FB2A473J	CHIP R 47K J 1/10W E3E5
R51, 52		RK73FB2A473J	CHIP R 47K J 1/10W	R155-157		RK73FB2A222J	CHIP R 2.2K J 1/10W E
R53		RK73FB2A103J	CHIP R 10K J 1/10W	R157		RK73FB2A222J	CHIP R 2.2K J 1/10W E3E5
R54		RK73FB2A392J	CHIP R 3.9K J 1/10W	R159		RK73FB2A102J	CHIP R 1.0K J 1/10W
R55		RK73FB2A153J	CHIP R 15K J 1/10W	R160-162		RK73FB2A222J	CHIP R 2.2K J 1/10W E
R56		RK73FB2A333J	CHIP R 33K J 1/10W	R161, 162		RK73FB2A222J	CHIP R 2.2K J 1/10W E1E5
R57		RK73FB2A823J	CHIP R 82K J 1/10W	R163		RK73FB2A102J	CHIP R 1.0K J 1/10W
R58		RK73FB2A102J	CHIP R 1.0K J 1/10W	R164		RK73FB2A222J	CHIP R 2.2K J 1/10W
R60		RK73FB2A684J	CHIP R 680K J 1/10W	R166		RK73FB2A103J	CHIP R 10K J 1/10W
R61		RK73FB2A223J	CHIP R 22K J 1/10W	R167-170		RK73FB2A222J	CHIP R 2.2K J 1/10W
R62		RK73FB2A333J	CHIP R 33K J 1/10W	R171-173		RK73FB2A101J	CHIP R 100 J 1/10W
R63		RK73FB2A472J	CHIP R 4.7K J 1/10W	R176		RK73FB2A222J	CHIP R 2.2K J 1/10W
R64, 65		RK73FB2A222J	CHIP R 2.2K J 1/10W	R179, 180		RK73FB2A222J	CHIP R 2.2K J 1/10W
R66		RK73FB2A272J	CHIP R 2.7K J 1/10W	R181		RK73FB2A472J	CHIP R 4.7K J 1/10W
R67		RK73FB2A683J	CHIP R 68K J 1/10W	R182, 183		RK73FB2A222J	CHIP R 2.2K J 1/10W
R70		RK73FB2A102J	CHIP R 1.0K J 1/10W	R185		RK73FB2A222J	CHIP R 2.2K J 1/10W
R71, 72		RK73FB2A103J	CHIP R 10K J 1/10W	R186		RK73FB2A472J	CHIP R 4.7K J 1/10W
R73 -76		RK73FB2A331J	CHIP R 330 J 1/10W	R187-189		RK73FB2A222J	CHIP R 2.2K J 1/10W
R77 -80		RK73FB2A183J	CHIP R 18K J 1/10W	R190		RK73FB2A102J	CHIP R 1.0K J 1/10W
R81 -84		RK73FB2A472J	CHIP R 4.7K J 1/10W	R191		RK73FB2A221J	CHIP R 220 J 1/10W
R85 -92		RK73FB2B2R2J	CHIP R 2.2 J 1/8W	R192		RK73FB2A331J	CHIP R 330 J 1/10W
R96		RK73FB2A104J	CHIP R 100K J 1/10W	R193		RK73FB2A392J	CHIP R 3.9K J 1/10W
R99		RK73FB2A104J	CHIP R 100K J 1/10W	R194		RK73FB2A103J	CHIP R 10K J 1/10W
R106		RK73FB2A333J	CHIP R 33K J 1/10W	R195-197		RK73FB2B102J	CHIP R 1.0K J 1/8W
R107		RK73FB2A473J	CHIP R 47K J 1/10W	R198		RK73FB2B101J	CHIP R 100 J 1/8W
R108		RK73FB2A223J	CHIP R 22K J 1/10W	R199		RK73FB2B102J	CHIP R 1.0K J 1/8W
R109		RK73FB2A103J	CHIP R 10K J 1/10W	R200		RK73FB2B103J	CHIP R 10K J 1/8W
R110		RK73FB2A104J	CHIP R 100K J 1/10W	R201		RK73FB2B101J	CHIP R 100 J 1/8W
R111, 112		RK73FB2A103J	CHIP R 10K J 1/10W	R202		RK73FB2A103J	CHIP R 10K J 1/10W
R113		RK73FB2A123J	CHIP R 12K J 1/10W	R203, 204		RK73FB2A221J	CHIP R 220 J 1/10W
R114		RK73FB2A472J	CHIP R 4.7K J 1/10W	R205, 206		RK73FB2A104J	CHIP R 100K J 1/10W
R115		RD14DB2H102J	SMALL-RD 1.0K J 1/2W	R207		RK73FB2A333J	CHIP R 33K J 1/10W E
R116		RK73FB2A223J	CHIP R 22K J 1/10W	R208		RK73FB2A123J	CHIP R 12K J 1/10W E
R117		R92-0366-05	CHIP R 560 J 1W	R209		RK73FB2A563J	CHIP R 56K J 1/10W E
R118		RK73FB2A223J	CHIP R 22K J 1/10W	R210		RK73FB2A273J	CHIP R 27K J 1/10W E
R119		RK73FB2A472J	CHIP R 4.7K J 1/10W	R211		RK73FB2A474J	CHIP R 470K J 1/10W E
R120		RK73FB2A103J	CHIP R 10K J 1/10W	R212		RK73FB2A101J	CHIP R 100 J 1/10W E
R121		RK73FB2A622J	CHIP R 6.2K J 1/10W	R213		RK73FB2A244J	CHIP R 240K J 1/10W E
R122		RD14DB2H2R2J	SMALL-RD 2.2 J 1/2W	R214		RK73FB2A2R2J	CHIP R 2.2 J 1/10W E
R129		RD14DB2H561J	SMALL-RD 560 J 1/2W	R215		RK73FB2A224J	CHIP R 220K J 1/10W E
R131		RD14DB2H102J	SMALL-RD 1.0K J 1/2W	R216		RK73FB2A684J	CHIP R 680K J 1/10W E
R132		RK73FB2A473J	CHIP R 47K J 1/10W	R217		RK73FB2A182J	CHIP R 1.8K J 1/10W E
R133		RK73FB2A223J	CHIP R 22K J 1/10W	R218		RK73FB2A104J	CHIP R 100K J 1/10W E
R135		RS14DB3A332J	FL-PROOF RS 3.3K J 1W	R219		RK73FB2A431J	CHIP R 430 J 1/10W E
R136		RK73FB2A103J	CHIP R 10K J 1/10W	R220		RK73FB2A473J	CHIP R 47K J 1/10W E
R137		RK73FB2A223J	CHIP R 22K J 1/10W	R221		RK73FB2A564J	CHIP R 560K J 1/10W E
R138		RK73FB2A103J	CHIP R 10K J 1/10W	R222		RK73FB2A683J	CHIP R 68K J 1/10W E
R140-142		RK73FB2A473J	CHIP R 47K J 1/10W	R223		RK73FB2A101J	CHIP R 100 J 1/10W E
R143		RK73FB2A241J	CHIP R 240 J 1/10W	R224		RK73FB2A623J	CHIP R 62K J 1/10W E
R144		RK73FB2A104J	CHIP R 100K J 1/10W	R225		RK73FB2A473J	CHIP R 47K J 1/10W E
R146		RK73FB2A473J	CHIP R 47K J 1/10W E1E3	R226		RK73FB2A913J	CHIP R 91K J 1/10W E
R146, 147		RK73FB2A473J	CHIP R 47K J 1/10W E	R227, 228		RK73FB2A223J	CHIP R 22K J 1/10W
R148		RK73FB2A473J	CHIP R 47K J 1/10W E1E3	R229, 230		RK73FB2A681J	CHIP R 680 J 1/10W
R150		RK73FB2A473J	CHIP R 47K J 1/10W	R231, 232		RK73FB2A273J	CHIP R 27K J 1/10W

E: Europe W: Without Europe P: Canada X: Australia

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△ indicates safety critical components.

KRC-356D/L/N

PARTS LIST

✱ New Parts

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Teile ohne Parts No. werden nicht geliefert.

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
R233		RK73FB2A473J	CHIP R 47K J 1/10W
R235		RK73FB2A102J	CHIP R 1.0K J 1/10W
R236		RK73FB2A103J	CHIP R 10K J 1/10W
R237		RK73FB2A223J	CHIP R 22K J 1/10W
R238		RK73FB2A222J	CHIP R 2.2K J 1/10W
R239-242		RK73FB2A472J	CHIP R 4.7K J 1/10W
VR3		R12-3688-05	TRIMMING POT.(47K 75)
VR4		R12-6413-05	TRIMMING POT.(220) E
W1 ,2		R92-2052-05	CHIP R 0 J 1/10W
W4		R92-2052-05	CHIP R 0 J 1/10W
D1		1SS133	DIODE
D2		UZL-6(L3)	ZENER DIODE
D3		RM10ZLF	DIODE
D4		1SS133	DIODE
D5		AM01Z	DIODE
D6		1SS133	DIODE
D7		UZL-6(L3)	ZENER DIODE
D8		UZL-7(L3)	ZENER DIODE
D11 ,12		1SS133	DIODE
D13		UZL-11(M2)	ZENER DIODE
D15 ,16		AM01Z	DIODE
D20		DAN202K	DIODE
D28 -36		UZ-6.2BS(B)	ZENER DIODE
D37		UZ-11BS(B)	ZENER DIODE
D39 -42		DA204K	DIODE
D43 ,44		DAP202K	DIODE
IC1	*	BA328F	ANALOGUE IC
IC3	*	BA3703F	ANALOGUE IC
IC4	*	LA1143B	ANALOGUE IC
IC5	*	TDA7340P	ANALOGUE IC
IC6 ,7		AN7190K	ANALOGUE IC
IC8		BA3906-V4	ANALOGUE IC
IC9	*	LC72329-8922	MI-COM IC (KRC-356L,N) E3E5
IC9	*	LC72329-8924	MI-COM IC (KRC-356D) E
IC10		NJM4565M	IC(OP AMP X2)(KRC-356D) E
IC11		TDA1579T	IC(DECODER) (KRC-356D) E
Q3 ,4		DTC143TK	DIGITAL TRANSISTOR
Q5		DTC144EK	DIGITAL TRANSISTOR
Q6		2SC2412K	TRANSISTOR
Q7 ,8		DTC144EK	DIGITAL TRANSISTOR
Q9		2SC2412K	TRANSISTOR
Q10		2SA1037K	TRANSISTOR
Q12		2SC2412K	TRANSISTOR
Q13		DTA144EK	DIGITAL TRANSISTOR(KRC-356L) E
Q14 -16		2SC2412K	TRANSISTOR
Q17		2SB1277	TRANSISTOR
Q18		2SA1037K	TRANSISTOR
Q19		DTA124EK	DIGITAL TRANSISTOR
Q20		2SC2412K	TRANSISTOR
Q21 ,22		DTA144EK	DIGITAL TRANSISTOR
Q24 ,25		DTA144EK	DIGITAL TRANSISTOR
Q26		DTC144EK	DIGITAL TRANSISTOR
Q27		2SB1184	TRANSISTOR
Q28		2SC2412K	TRANSISTOR
Q29		DTA124EK	DIGITAL TRANSISTOR

SYNTHESIZER UNIT (X14-524X-XX) 2-70: KRC-356D 2-71: KRC-356L 2-72:KRC-356N

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名/規格
Q30		DTC144EK	DIGITAL TRANSISTOR
Q35		2SB1443	TRANSISTOR
Q36		DTC114EK	DIGITAL TRANSISTOR
Q37		2SB1443	TRANSISTOR
Q38		DTC114EK	DIGITAL TRANSISTOR
Q39		2SA1036K	TRANSISTOR
Q41		2SA1037K	TRANSISTOR
Q42		DTC144EK	DIGITAL TRANSISTOR
Q43		2SC2412K	TRANSISTOR
Q44		2SK536	FET
Q46		DTA144EK	DIGITAL TRANSISTOR
Q47		DTC144EK	DIGITAL TRANSISTOR
Q48		DTA144EK	DIGITAL TRANSISTOR
Q49		DTC144EK	DIGITAL TRANSISTOR(KRC-356L,N) E3E5
Q49 ,50		DTC144EK	DIGITAL TRANSISTOR(KRC-356D) E
Q53 -56		DTC143TK	DIGITAL TRANSISTOR
Q57		DTA144EK	DIGITAL TRANSISTOR
Q58		DTC144EK	DIGITAL TRANSISTOR
TU1	*	W02-1464-05	FM/AM FRONT-END (KRC-356D,N) E1E5
TU1	*	W02-1465-05	FM/AM FRONT-END(KRC-356L) E
SWITCH UNIT (X25-727X-XX) 0-10: KRC-356D/N 2-71 : KRC-356L			
301 2E	*	B11-0883-04	OPTICAL DIFFUSER
302 2E	*	B19-1005-03	LIGHTING BOARD
D1 -4		B30-1371-05	LED (KRC-356L) E
D1 -4		B30-1395-05	LED (KRC-356D,N) E1E5
D7 -20		B30-1371-05	LED (KRC-356L) E
D7 -20		B30-1395-05	LED (KRC-356D,N) E1E5
LCD1 2E	*	B38-0618-05	LIQUID CRYSTAL
PL1		B30-1305-05	LAMP(5.5V.125A)(KRC-356L) E
PL2 ,3		B30-1306-05	LAMP(5.5V.125A)(KRC-356D,N) E1E5
PL4		B30-1305-05	LAMP(5.5V.125A)(KRC-356L) E
C1		CK73FB1H223KTA	CHIP C 0.022UF K
C2		CK73FB1H681K	CHIP C 680PF K
303 1E		E29-1432-04	CONDUCTIVE RUBBER
304 1E	*	E29-1452-03	CONDUCTIVE RUBBER
305 1E	*	E29-1454-04	CONDUCTIVE RUBBER
306 1E	*	E29-1455-04	CONDUCTIVE RUBBER
CN1	*	E59-0820-05	RECTANGULAR PLUG
R1 ,2		RK73EB2B471J	CHIP R 470 J 1/8W
R4		RK73EB2B471J	CHIP R 470 J 1/8W
R5 -8		RK73EB2B331J	CHIP R 330 J 1/8W
R9 -13		RK73FB2A101J	CHIP R 100 J 1/10W
R14 -19		RK73FB2A102J	CHIP R 1.0K J 1/10W
R22		RK73FB2A513J	CHIP R 51K J 1/10W
D21 -26	*	UZMA6.2	ZENER DIODE
IC1	*	LC75852E	MOS-IC
Q1		DTC144EK	DIGITAL TRANSISTOR
Q2		DTA144EK	DIGITAL TRANSISTOR
CASSETTE MECHANISM ASSY (D40-1054-05)			
1 2A		A10-2345-08	CHASSIS ASSY
2 3B		J21-7524-08	MOUNTING HARDWARE (P.B. HEAD)
3 3B		D14-0630-08	SPRING ROLLER
4 3B		G01-2613-08	TORSION SPRING (PINCH ROLLER)

E: Europe W: Without Europe P: Canada X: Australia

K: U.S.A. and Canada M: Without Europe, U.S.A. and Canada

△ indicates safety critical components

KRC-356D/L/N

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

CASSETTE MECHANISM ASSY (D40-1054-05)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格	Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
5	3B	D10-2907-08	SLIDER	80	2A	G01-2617-08	TORSION SPRING
6	3B	D13-1102-08	GEAR	81	2B	D10-2760-08	ARM
7	3B	J90-0741-08	TAPE GUIDE	82	2B	N09-4055-08	SCREW
8	2B	J19-4554-08	HEAD HOLDER	83	2A	D10-2761-08	ARM
9	2B	J11-0604-08	CLAMPER	84	2B	D10-2762-08	ARM
11	3B	D10-2908-08	SHIFT PLATE	85	1A	G01-2622-08	TENSION SPRING
12	3B	G01-2695-08	H.G SPRING	86	3B	D10-2749-08	LEVER
13	3B	J90-0742-08	WASHER	87	3A	N09-4056-08	SCREW
15	2B	E39-0059-08	WIRING HARNESS	88	2A	D10-2763-08	ARM
16	2B	D10-2752-08	PINCH ROLLER ASSY (F)	89	2B	G01-2623-08	TENSION SPRING
17	2A	D10-2753-08	PINCH ROLLER ASSY (R)	90	2B	N19-2038-08	FLAT WASHER
19	2B	J21-7528-08	MOUNTING HARDWARE	91	1B	G01-2697-08	TENSION SPRING
20	1B	D10-2909-08	SLIDER	92	1B	D10-2913-08	LEVER
22	3A	D03-0308-08	REEL DISK	93	1B	D10-2914-08	LEVER
23	3A	D13-1103-08	GEAR	94	2B	D10-2764-08	ARM
24	3A	D13-1104-08	GEAR	95	2B	G01-2625-08	TENSION SPRING
25	3A	D13-1105-08	GEAR	96	1B	D10-2765-08	ARM
26	3A	D13-1106-08	GEAR	97	1B	G01-2626-08	TENSION SPRING
27	3A	D13-1107-08	GEAR (REV)	98	3B	N19-2035-08	FLAT WASHER
28	3A	D10-2755-08	ARM	99	1B	D10-2766-08	ARM
29	3A	A11-0889-08	SUB CHASSIS ASSY	100	1B	T94-0406-08	SOLENOID COIL
30	3A	G01-2618-08	COMPRESSION SPRING	101	1B	T94-0407-08	SOLENOID
31	3A	D13-1111-08	GEAR	102	1B	G01-2698-08	TENSION SPRING
32	3A	D10-2756-08	ARM	103	2B	D19-0604-08	PIN
33	3A	D10-2757-08	ARM	104	2B	G01-2627-08	TENSION SPRING
34	3A	G01-2614-08	TORSION SPRING	150	2B	N09-4009-05	SCREW
36	3A	D03-0309-08	REEL DISK ASSY	151	3B	N09-4009-05	SCREW
41	2A	E60-0801-08	CONNECTOR	153	3B	N19-2036-08	FLAT WASHER
43	1B	D10-2758-08	ARM	154	2A	N19-2037-08	FLAT WASHER
44	1A	D10-1346-08	SLIDER	155	1A	N84-2003-45	SCREW
45	1B	G01-1574-08	TENSION SPRING	156	1A	N24-3015-60	E TYPE RETAINING RING
46	1A	G11-1550-08	CUSHION	157	1B	N09-4059-08	SCREW
47	1A	G01-2696-08	TORSION SPRING	158	2B	N19-2043-08	FLAT WASHER
48	1A	J19-4451-08	HOLDER	159	2A	N19-2039-08	FLAT WASHER
49	1A	D10-2759-08	ARM	160	2B	N24-3020-60	E TYPE RETAINING RING
50	1A	D10-2768-08	SLIDER	161	2A	N09-4058-08	SCREW
51	1B	G02-1153-08	FLAT SPRING	162	3B	N19-2050-08	FLAT WASHER
52	1A	G09-0051-08	SPRING	163	2A	N19-2041-08	FLAT WASHER
56	2A	D14-0631-08	ROLLER	164	2A	N19-2042-08	FLAT WASHER
57	2A	D14-0632-08	ROLLER	165	3A	N09-4092-08	SCREW
58	2A	D10-2747-08	LEVER	166	2B	N09-4060-08	SCREW
59	2A	G01-2620-08	TENSION SPRING	167	3B	N09-4109-08	SCREW
60	2A	G01-2621-08	TENSION SPRING	168	3B	N09-4110-08	SCREW
61	2A	D10-2912-08	LEVER	HD1	2B	T31-0214-08	PLAYBACK HEAD
64	2B	D10-2769-08	SLIDER	M1	2A	T42-0734-08	MOTOR ASSY
65	2B	G09-2006-08	SPRING	S1	2A	S62-0813-08	SLIDE SWITCH
66	2B	G09-2007-08	SPRING	S2	2A	S68-0803-08	PUSH SWITCH
70	3A	D10-2754-08	ARM	S3	2B	S62-0812-08	SLIDE SWITCH
71	2A	D13-1109-08	GEAR				
72	3A	G01-2616-08	TORSION SPRING				
74	3B	D01-0605-08	FLYWHEEL ASSY				
75	3B	D16-0606-08	BELT				
77	2A	G01-2619-08	COMPRESSION SPRING				
78	2B	D13-1110-08	GEAR				
79	2B	D15-0909-08	PULLEY				

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△ indicates safety critical components.

PARTS LIST

MARKING OF CHIP TRANSISTORS (SMT)
(DTAxxxxK, DTCxxxxK, 2SxxxxxK)

SMT (PNP)			
形 名/Parts No.	標 印/Mark	形 名/Parts No.	標 印/Mark
DTA144EK	<u>16</u>	DTA114YK	<u>54</u>
DTA124EK	<u>15</u>	DTA143TK	<u>93</u>
DTA114TK	<u>94</u>	DTA114EK	<u>14</u>
DTA144WK	<u>76</u>	DTA143EK	<u>13</u>
DTA143XK	<u>33</u>	DTA124XK	<u>35</u>
DTA124TK	<u>95</u>	DTA144TK	<u>96</u>
DTA123EK	<u>12</u>	DTA123JK	<u>E32</u>
DTA143ZK	<u>E13</u>	DTA113JK	<u>E11</u>
DTA123YK	<u>52</u>	DTA114WK	<u>74</u>
DTA115EK	<u>19</u>	DTA115TK	<u>99</u>
DTA125TK	<u>9A</u>	DTA114GK	<u>K14</u>
DTA115GK	<u>K19</u>	DTA124GK	<u>K15</u>
DTA144GK	<u>K12</u>		

SMT (NPN)			
形 名/Parts No.	標 印/Mark	形 名/Parts No.	標 印/Mark
DTC144EK	<u>26</u>	DTC114YK	<u>64</u>
DTC124EK	<u>25</u>	DTC143TK	<u>03</u>
DTC114TK	<u>04</u>	DTC114EK	<u>24</u>
DTC144WK	<u>86</u>	DTC143EK	<u>23</u>
DTC143XK	<u>43</u>	DTC124XK	<u>45</u>
DTC124TK	<u>05</u>	DTC144TK	<u>06</u>
DTC123EK	<u>22</u>	DTC123JK	<u>E42</u>
DTC143ZK	<u>E23</u>	DTC113ZK	<u>E21</u>
DTC123YK	<u>62</u>	DTC114WK	<u>84</u>
DTC115EK	<u>29</u>	DTC115TK	<u>09</u>
DTC125TK	<u>0A</u>	DTC114GK	<u>K24</u>
DTC115GK	<u>K29</u>	DTC124GK	<u>K25</u>
DTC144GK	<u>K22</u>		

SMT			
形 名/Parts No.	略記号 / Mark	形 名/Parts No.	略記号 / Mark
2SA1036K	<u>H</u>	2SA1037K	<u>F</u>
2SA1037KLN	<u>D</u>	2SA1455K	<u>G</u>
2SA1514K	<u>M</u>	2SB852K	<u>U</u>
2SC2059K	<u>J</u>	2SC2411K	<u>C</u>
2SC2412K	<u>B</u>	2SC2412KLN	<u>L</u>
2SC2413K	<u>A</u>	2SC3082K	<u>S</u>
2SC3722K	<u>I</u>	2SC3802K	<u>AL</u>
2SC3837K	<u>AC</u>	2SC3838K	<u>AD</u>
2SC3839K	<u>AE</u>	2SC3906K	<u>T</u>
2SD1383K	<u>W</u>	2SD1484K	<u>Y</u>
2SD1757K	<u>AA</u>	2SD1781K	<u>AF</u>
2SD1782K	<u>AJ</u>		

MPT			
形 名/Parts No.	略記号 / Mark	形 名/Parts No.	略記号 / Mark
2SB1132	BA	2SB1188	BC
2SB1189	BD	2SD1664	DA
2SD1766	DB	2SD1767	DC
2SD1384	DE		

KRC-356D/L/N

SPECIFICATIONS

		KRC-356D/N	KRC-356L
FM	Frequency range (MHz) (Frequency step)	87.5MHz~108.0MHz (50kHz)	
	Usable sensitivity (DIN)	0.9 μ V/75 Ω	
	Quieting sensitivity (S/N : 46dB)	1.6 μ V/75 Ω	
	Frequency response (\pm 3.0dB)	30Hz~15kHz	
	S/N (dB)	68dB	
	Selectivity (DIN) (dB)	70dB	
	ST. separation (dB)	35dB (1kHz)	
	19k carrier leak	65dB	
MW	Frequency range (kHz) (Frequency step)	531kHz~1611kHz (9kHz)	
	Usable sensitivity	30 μ V	
LW	Frequency range (kHz) (Frequency step)	—	153kHz~281kHz
	Usable sensitivity	—	60 μ V
CASS	Tape speed	4.76cm/sec.	
	Wow/Flutter (WRMS) (%)	0.12% (WRMS)	
	Fast winding time (C-60)	100 (sec)	
	Frequency response (Hz) (\pm 3.0dB)	30~16kHz (120 μ s)	
	Separation (dB)	40dB (1kHz)	
	S/N (dB)	54dB	
AUDIO	Preout level (mV)/Load	1500/500 Ω	
	Maximum output power	25Wx4	
	Output power (4 Ω , 1kHz, 10%)	20Wx4	
	(4 Ω , 1kHz, 1%)	15Wx4	
	TONE Bass	100Hz \pm 10dB	
	Treble	10kHz \pm 10dB	
GENERAL	Operating voltage	14.4V (11~16V allowable)	
	Current consumption	6.9A at rated power	
	Dimensions (W x H x D)	188 x 58 x 176 (mm)	
	Installation size (W x H x D)	182 x 53 x 154 (mm)	
	Weight	1,700g	

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD CORPORATION

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo 150, Japan

KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 Plaza Chase, Cl. 47 y Aquilino de la Guardia, Panama, Republic de Panama

TRIO-KENWOOD U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrucker-Str. 15, 63150 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129 Milano, Italy

KENWOOD ESPAÑA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)

P.O. BOX 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 37/12-3724, Level 37 Tower one, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T. Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #07-00, KENWOOD Building, Singapore, 1334

KENWOOD ELECTRONICS (MALAYSIA) SDN LTD.

10th Floor, Block B, Wisma Semantan, No. 12, Jalan Gelenggang, Bukit Damansara, 50490 Kuala Lumpur, Malaysia